

8	27364	92836	69428	61268	74982	46498	32764	31276
86	40932	70987	32123	49817	26346	81287	65491	87364
721	75654	55656	12737	72727	72727	91918	63473	67867
723	87629	37677	32612	53498	71296	28756	18276	98716
269	76329	74698	76857	98670	27601	56701	57601	73648
711	87364	87265	96710	27630	12673	84769	28743	98127
78	63298	75698	27465	87326	49876	28376	81273	98615
7	87432	74328	78674	29867	32867	67867	86786	43286
7	68768	68763	34234	34238	68768	62342	48273	48768
26	98432	32432	86743	43286	43286	43286	43286	43286
243	86743	86743	39867	32867	86743	43286	43286	43243
8	86743	86743	86743	86743	86743	86743	86743	86743
92	98798	98754	98754	98754	98754	29867	67543	67986
6	87698	69876	87698	69876	87612	12341	34867	86798
7	43298	65656	56756	56123	32143	14321	32143	14321
7	58767	58767	58767	58765	76587	58765	76587	58756

Numbers & Oddities

a.k.a. The Spooks Newsletter

Edition #330, March 2025

Editor: Ary Boender email: udxf@udxf.nl

Numbers & Oddities <http://www.numbersoddities.nl>

"Numbers & Oddities" a.k.a. the "Spooks Newsletter" is a newsletter for the members of the Utility DXers Forum (UDXF), the Spooks mailing list, HF Underground and everyone else who is interested in Numbers Stations.

"Numbers & Oddities" covers the fascinating world of Numbers Stations and other odd radio signals on shortwave.

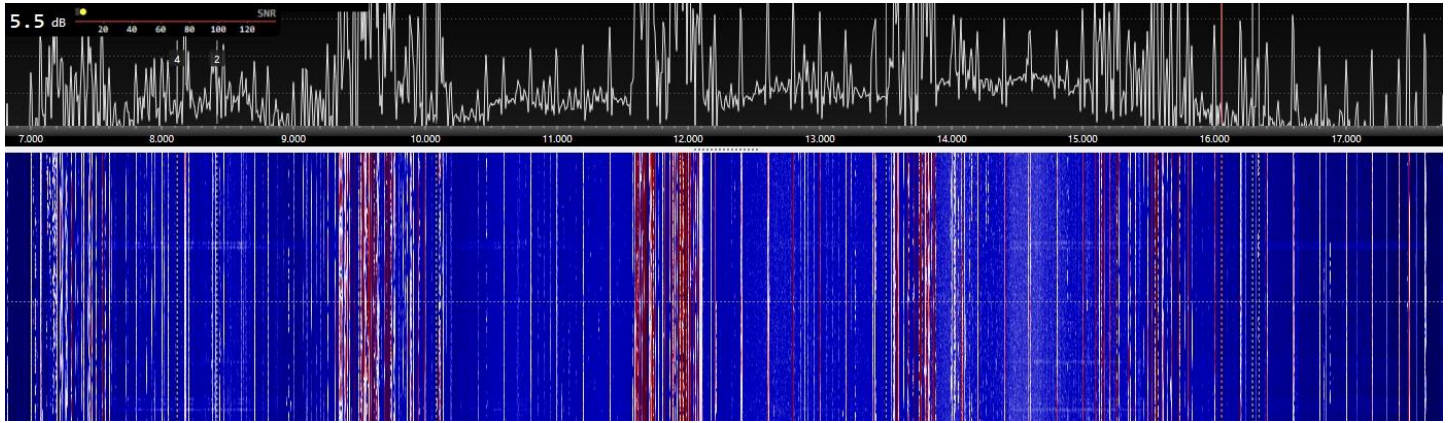


-. ..- -- -. . .-.- -. -. --- -. -. . .-

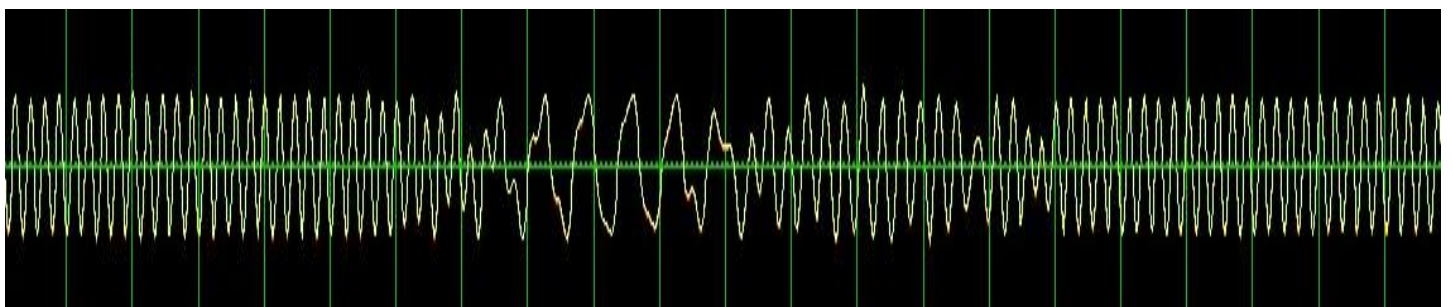


Numbers and Oddities

CONTENT



CONTENT.....	2
FOREWORD.....	3
VOICE STATIONS	3
MORSE STATIONS	20
DIGITAL MODES	35
DIPLOMATIC STATIONS.....	91
SPECIAL PURPOSE RADIO STATIONS.....	97
UTILITY ROUND-UP	98
RUSSIAN MILITARY TRANSCRIPTS.....	101
LOGS SECTION.....	115
CONTRIBUTORS.....	185
APPENDIX.....	186
COLOPHON	189



FOREWORD

Please note that due to other commitments of the editor and some key contributors, it is not possible to indicate a fixed publication date of N&O. Expect that in the coming months, publication will be much later than your are used to.

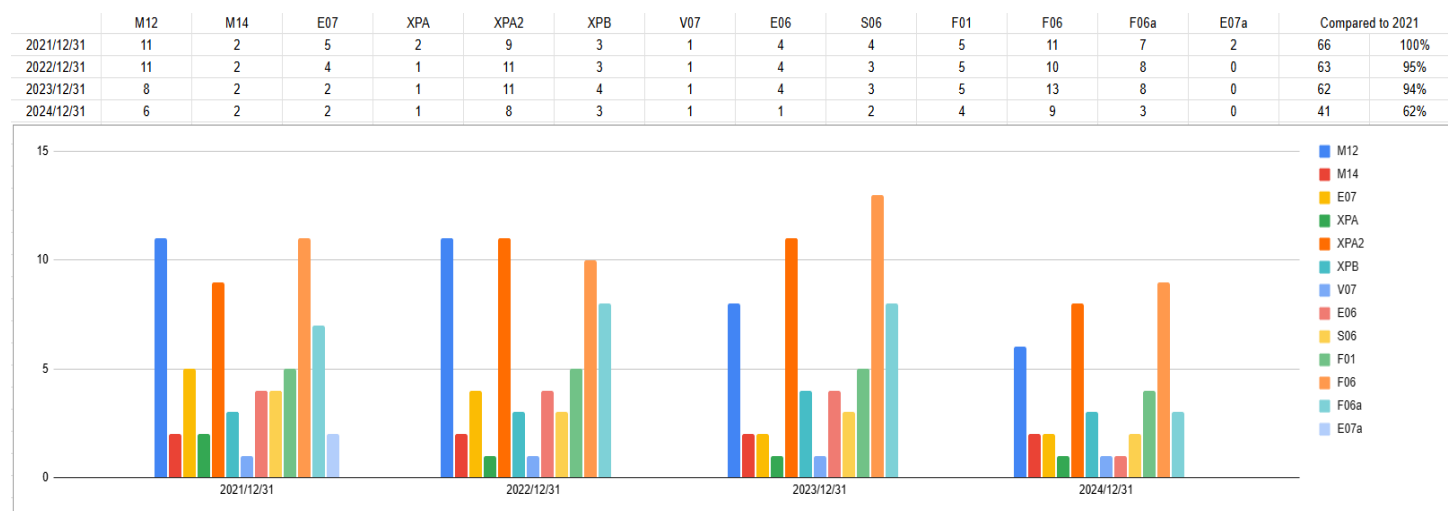
Welcome to the 330th edition of Numbers & Oddities.

I know..... we're late. Other priorities prevented an earlier release of this edition. Anyway, it's here now with the usual items.

The Russians were very active with tests and sporadic schedules of E06, E07, S06, S06c, S06g, F01, F06, and F06a.

M23 is back again with a different format.

VSh has investigated how many active schedules Russian operators 6 and 7 had in recent years. You can clearly see that there is a sharp decrease in the number of schedules. However, there are a number of Russian experimental digital modes on the air of which we do not know if they also have active schedules.



VOICE STATIONS

E06

11128/9073 kHz, 08-03, 1600/1630 UTC

13945/12903 kHz, 09-03, 0730/0800 UTC

480 359 42

48704 76031 13198 23621 07467 49049 95949 95206 65156 16765

29731 47237 13405 38712 10613 12956 23071 41208 23619 42754

37273 42473 12569 80726 19856 61905 72516 14371 75961 12368

23280 01765 37401 02707 70238 27642 82101 94286 26083 21459

73949 82593

359 42 0000

11128/9073 kHz, 22-03, 1600/1630 UTC

13945/12903 kHz, 23-03, 0730/0800 UTC

480 973 45

63614 36248 10407 28362 62938 02373 56047 94158 94586 76873

67945 19853 17515 58635 98479 15014 57680 32792 10346 61273

80674 96526 20524 41741 36201 85340 29815 34041 05010 75028

89821 87576 01732 45434 26957 52408 07614 42381 29752 08273

60624 81626 15174 97802 71360

973 45 00000

11073 kHz, 01-03, 1310 UTC

352 (R4m) 647 25
 33392 11460 61860 06467 79083 47818 33451 64885 30813 91254
 07680 86803 21912 92483 33416 68010 63534 43285 24603 28497
 81977 81863 80836 84080 20560
 647 [3s silence] 25
 352 (R1m) 901 30
 69256 71388 97472 54048 37955 38815 55719 58188 59799 36869
 05704 84296 59466 21735 67275 01329 05236 27363 47962 10766
 98728 07925 23970 95363 37400 44032 40027 62145 48225 04911
 901 30 00000

10755 kHz, 19-03, 0729 UTC

LSB, 16s 250Hz tone,
 LSB -> CF, 3m20s carrier, CF -> LSB, 16s 250Hz tone,
 LSB -> CF, 7m06s carrier,
 CF -> LSB, 13s 250Hz tone] 975 975 975 9
 [1m22s 250Hz tone] 975 (R20s) 97
 [5s 250Hz tone] 975 975 975 97 [10s 250Hz tone] 975 975
 [1s 250Hz tone, LSB -> USB, 4s 250Hz tone] 975 (R20s) 9
 [1m35s 250Hz tone] 975 (R35s) 97 [21s 250Hz tone] distorted voice

10755 kHz, 19-03, 0800 UTC. Switched between LSB and USB

LSB 801 80 801 (R40s)
 [7s silence, LSB -> USB] 801 801
 [41s silence, USB -> LSB] 801 801 8
 [9s silence, LSB -> USB] 801 801
 [1m20s silence] 801 (R30s) 80 distorted voice

10755 kHz, 19-03, 0936 UTC

801 (1x) 6s silence
 801 (1x) 3s silence
 801 (1x) 1m15s silence
 801 (1x) 4s silence
 801 (R35s) 47s silence
 801 (1x)

10755 kHz, 19-03, 0942 UTC

80 11s silence 801 (R4m53s)

10755 kHz, 19-03, 1149 UTC

975 (R4m) 000
 01153 34096 68530 78836 93932 76626 98045 29403 54965 89086
 28374 78899 80301 47899 97461 71237 35372 84592 59802 38134
 50027 79741 49879 85091 92187 49969 10947 04039 74793 01461
 000 30 00000

10755 kHz, 19-03, 1149 UTC

975 (R4m) 000
 01153 34096 68530 78836 93932 76626 98045 29403 54965 89086
 28374 78899 80301 47899 97461 71237 35372 84592 59802 38134
 50027 79741 49879 85091 92187 49969 10947 04039 74793 01461
 000 30 00000

12215 kHz, 26-03, 1730 UTC. Unreadable. Radar interference**9079 kHz, 26-03, 1830 UTC**

439 285 106

26560 63539 52599 32305 93187 10538 11606 08402 18015 89174
 75693 89578 47922 72893 71420 02398 09470 14810 98787 46854
 76097 61807 31237 96391 00925 40445 95323 04129 30832 50722
 91051 16947 92378 66080 18419 61403 59008 13079 77425 10943
 83833 91715 41513 92119 13742 01993 37241 31496 75288 17351
 64607 49395 41918 64348 97055 25492 66743 42986 61144 06670
 96651 53263 56871 19487 58199 68621 84238 63944 24828 42177
 43245 40041 49654 94255 07334 21219 79561 04534 03061 34036
 41109 46449 30428 78493 07738 93446 62876 28032 32564 72084
 26964 35768 62471 55803 22692 48586 97460 97719 50058 66484
 90646 44718 82506 42581 88915 23355
 285 106 00000

5879/4923 kHz, 27-03, 0130/0230 UTC

759 368 27

23905 12156 47404 41659 85451 54072 74770 86115 78638 01070
 33777 35655 76906 79706 97864 43390 06815 63425 93592 56208
 68361 05343 20960 00666 61548 52340 53408
 368 27 00000

E07

16284/14854/13384 kHz, 1410/1430/1450 UTC

16284/14854/13384 kHz, 01-03, 1410/1430/1450 UTC

328 328 328 1 729 119 729 119

14761 46923 40876 23839 35420 46930 92824 54541 82809 24565
 91763 15615 50045 35061 59023 34696 93734 67207 95504 86363
 57640 86923 99155 20838 85194 91157 95418 63008 30307 87261
 65467 85259 58414 70944 07921 84313 88455 83901 61469 07764
 24019 63500 63627 29879 32878 38528 46507 66473 43739 28022
 51433 33842 35694 05284 66838 44783 44093 67782 39066 07967
 14652 50529 96580 45932 46434 51813 17040 97802 59731 41896
 89254 39313 69806 09541 37170 93845 19823 20524 18748 53298
 23255 91042 91835 48724 80206 82450 14446 84518 70873 58424
 60846 84083 54013 20603 76094 93083 28015 47323 93414 24095
 28247 12009 14352 73646 26399 93196 33005 48717 76558 93147
 31184 45579 99616 80941 45345 99268 36725 44737 88941 000 000

16284/14854/13384 kHz, 13-03/15-03, 1410/1430/1450 UTC**13-03, 1410 UTC: restart during the callup**

328 328 328 1 1003 99 1003 99

46139 09063 85230 80849 40292 96341 69476 27961 06096 09053
 23864 25958 47445 22337 38117 40816 07518 44254 43426 71086
 25747 13750 95820 27306 77451 28975 26080 72193 15004 62653
 11622 04019 55200 73804 32377 60773 49891 66725 56749 16763
 50569 64006 26736 71592 27546 31885 52989 89267 70663 51828
 97970 14072 79370 93051 91171 01658 35502 71578 64140 62904
 36159 78891 92362 07615 89446 92694 42410 41017 53383 08693
 14532 17863 15816 96888 76359 19837 42346 84382 97097 04506
 71396 02408 13415 26372 73246 06728 78749 97780 11096 41195
 17915 85984 75790 69279 35638 41287 59027 68704 33336 000 000

16284/14854/13384 kHz, 27-03/29-03, 1410/1430/1450 UTC

328 328 328 1 1696 142 1696 142
27492 85499 18393 23532 47392 29730 34040 20389 46126 79210
32738 15731 64219 19552 20525 25751 67421 79942 94454 76403
59112 19700 35643 21989 79681 62340 55002 61429 07452 84712
74416 59404 37030 60356 08330 30980 70949 86512 10391 47224
29288 12727 15119 95689 73531 79893 91086 07846 62913 14178
91724 23890 40328 91887 49334 23643 34770 04296 94169 95292
94320 40894 66687 87013 31866 17491 10174 93019 51716 50991
83835 44704 22900 32592 07356 72891 76125 61666 31928 03193
07674 19506 58371 49890 74837 16134 75536 59863 74257 35009
96338 26730 21796 56091 46809 64831 57635 12283 99498 71851
68656 53996 09461 81544 65364 44565 80320 24753 26826 95697
77342 14883 63196 48451 84189 83505 72111 06310 08971 70285
37458 01742 96721 56841 36573 14227 37959 17807 25153 65878
59248 55486 71939 15175 72500 58030 44964 47062 12894 07987
17295 70817 000 000

14571/15851/17541 kHz, 1500/1520/1540 UTC**14571/15851/17541 kHz, 04-03/07-03, 1500/1520/1540 UTC**

584 584 584 1 305 189 305 189
10625 34828 29122 88065 38296 08774 89685 67213 21548 63419
91401 78204 48963 07745 97294 40204 50607 93751 98836 59872
15861 41591 42026 88960 50714 09553 39853 13863 18145 79642
02595 64876 44315 07362 29154 33482 70807 70963 59244 72453
29671 64115 71434 74058 41053 82476 79942 88443 76974 07659
31014 99372 18124 99289 99033 53448 58237 46481 90519 31041
68660 73459 23162 78611 65255 34906 16627 28937 54919 57581
22417 77384 23625 92483 95022 66131 75417 58657 84963 69364
48946 38691 40065 71139 12908 06813 57580 94901 14359 80196
60612 93678 29124 91034 84788 60281 63877 42954 97314 15209
30680 62723 88714 12675 31098 40064 85822 49674 09068 49759
69639 54193 88416 32394 89026 27823 31876 47365 33284 42895
44632 54040 15853 25995 24810 41595 19294 13426 97514 48256
40000 53508 45337 67448 13093 95871 61150 24417 51054 55509
02345 84660 17410 64623 01793 32313 41987 59854 93959 55478
31042 06165 33705 38505 61945 53308 25692 46106 95049 17587
35723 86973 84009 05694 91599 29582 85320 89439 98541 21927
12798 73923 64563 62292 51352 17246 00401 54241 64135 89644
07561 87310 32543 41579 75489 52585 76982 05567 17866 000 000

14571/15851/17541 kHz, 18-03/21-03, 1500/1520/1540 UTC

14571 kHz, 18-03, 1500 UTC. 5 (20sec silence) 584 etc.

584 584 584 1 125 100 125 100
49725 25934 01233 23408 72905 80000 33665 35814 27223 16708
94292 88501 67965 34303 74024 41612 86758 44599 22375 40479
56938 74248 62417 45714 49038 45596 25151 20983 97128 69580
65548 70770 73181 29296 03481 19161 38155 87103 83120 83019
75476 37544 58404 45225 98533 18936 17950 79818 88110 69254
87201 89981 76240 44765 18844 34218 42290 51587 41968 85564
08487 28763 99070 71973 43998 19373 81464 53743 31835 48015
62434 23587 51974 04873 30355 45564 96151 09769 71995 55723
40611 09007 81024 14204 90317 93696 59848 96096 00661 41712
40682 02890 44733 44489 06289 34518 97630 72851 61548 12479
000 000

10800 kHz, 03-03/05-03, 0645 UTC

412/34 Attention

91618 00237 07568 98814 50485 09205 49108 61400 00181 88593
21368 23980 55311 07694 79808 81440 63643 76588 39463 35539
37042 20521 55890 86626 82598 38249 85864 22667 72484 40674
06020 57674 56979 11076

Attention (message repeated) Out

19515 kHz, 03-03/05-03, 0715 UTC

754/33 Attention

88098 16859 01978 17631 20257 12207 38787 71325 73388 65988
51352 98905 13235 60480 60714 26570 86716 62554 72993 51232
39774 39783 64166 90703 61490 02928 26580 72898 29829 22977
17074 76992 85471

Attention (message repeated) Out

12202 kHz, 03-03/05-03, 0845 UTC

719/39 Attention

42183 54686 31036 95247 67971 80089 54469 93778 35322 22443
33847 78189 08378 97794 74415 44183 82209 50317 78063 68677
55235 18339 21846 05639 47819 46091 25077 08820 81778 04296
86352 11308 83513 40181 27696 67698 92578 48880 70087

Attention (message repeated) Out

13470 kHz, 03-03/09-03, 1745 UTC

247/35 Attention

03107 10851 01530 79302 10020 33307 78375 26986 15843 18389
60720 44033 37515 65866 14551 41777 35261 08790 54109 06982
66511 73767 68085 77034 88974 08316 58958 54777 27226 39935
83553 43367 38535 92681 68110

Attention (message repeated) Out

15720 kHz, 04-03/07-03, 0715 UTC

631/36 Attention

33235 75038 28186 50462 30114 66726 80679 12770 28883 67783
04225 51075 79896 60271 66746 38493 70450 12313 19420 19193
62282 82025 38724 52071 56200 82429 74967 98672 19798 60200
52168 76945 28780 99373 95520 32922

Attention (message repeated) Out

14865 kHz, 04-03/06-03, 0745 UTC

225/39 Attention

91700 98058 22770 50929 90372 51595 58371 71855 98616 42351
83016 05657 08940 17472 03507 62790 95600 85628 11108 24955
95420 70807 71513 55699 16554 32286 86915 00561 13413 96143
31058 61045 38199 07740 24650 79548 63465 61277 71711

Attention (message repeated) Out

18168 kHz, 04-03/06-03, 0845 UTC

156/30 Attention

17029 94379 75142 84434 71076 60674 59328 43398 76867 41915
35186 07810 69683 45063 88873 61945 14862 80536 55733 64063
52330 15179 56749 82872 27050 83971 65560 20563 69336 08298

Attention (message repeated) Out

9399 kHz, 04-03, 1205 UTC

467/37 Attention

32502 30960 26537 18049 50924 79284 73374 49986 68462 93585
22248 70182 21151 71894 06906 84641 16532 01862 76740 88088
08014 97978 13322 40260 65816 16474 76118 50819 09755 56736
73997 09020 23528 30448 27004 59067 77298

Attention (message repeated) Out

8680 kHz, 07-03/09-03, 0600 UTC

359/40 Attention

60729 37290 32134 28151 71547 53920 23218 05899 86155 20437
76113 38491 46667 20104 75656 38238 46415 52081 33860 62396
02769 89989 70238 49459 56195 96899 79347 55779 99206 72213
52618 61697 07282 93827 50090 19254 90609 91514 41483 29826

Attention (message repeated) Out'

4505 kHz, 08-03/09-03, 1645 UTC

365/34 Attention

64012 14270 81250 40692 43882 63086 15469 79281 19865 79927
68871 02975 93020 94141 86902 51992 66654 98252 52644 61928
98114 31811 68258 60651 72066 36630 07456 50793 35739 98168
40801 74914 06836 47860

Attention (message repeated) Out

20170 kHz, 10-03/14-03, 0830 UTC

188/33 Attention

98233 68901 56910 91994 33336 30124 67908 85325 00646 16667
50069 62949 21405 11332 55763 83629 75990 89482 02139 14818
91582 45827 29821 46814 07238 97237 37891 28256 50454 42380
07138 93977 39772

Attention (message repeated) Out

19184 kHz, 11-03/12-03, 0820 UTC

130/33 Attention

17406 29699 00782 99090 99844 85496 83106 18213 76168 33662
05644 70344 30345 99283 17268 43302 34557 47630 61028 47331
20074 28866 69013 37813 52370 70060 53630 28598 92720 30916
60737 55501 10624

Attention (message repeated) Out

9951 kHz, 11-03/14-03, 1000 UTC

302/21 Attention

00660 53523 47101 90649 57170 83327 61904 53547 84888 69857
20397 92967 48202 84815 92226 30897 75514 38376 39011 62313
37982

Attention (message repeated) Out

5176 kHz, 11-03/16-03, 1605 UTC

231/36 Attention

02670 50126 36743 06381 93620 60014 32416 66228 47654 62548
78379 42357 88978 79468 06417 94023 26298 27769 84568 11895
80213 87748 75344 46479 33390 48900 73455 65352 57940 79152
21704 99485 01918 96531 14562 22825

Attention (message repeated) Out

25839 kHz, 12-03, 0600 UTC

948/23 Attention

47199 97459 96131 26914 09284 89703 48999 32517 59148 61468
33119 54454 27146 28465 41009 29589 56293 57119 57241 01464
28648 86070 08724

Attention (message repeated) Out

4181 kHz, 12-03/15-03, 1610 UTC

393/38 Attention

17293 47975 45037 95869 00345 94454 86352 37010 44556 91437
92087 82573 61922 37938 16291 86869 81709 39322 30017 55260
51652 00136 67327 16089 80283 11658 26780 55181 28868 74152
87518 63719 69937 77680 35057 87482 87964 61587

Attention (message repeated) Out

6923 kHz, 12-03/14-03, 1715 UTC

978/30 Attention

69970 54800 00890 09521 45361 71308 20988 45358 37752 92744
36143 69709 48678 86058 81328 96760 18655 77727 09495 03664
51172 19038 89164 25873 60403 09803 74101 85502 21992 34945

Attention (message repeated) Out

9446 kHz, 13-03/14-03, 0720 UTC

435/34 Attention

93111 04455 70065 07535 02338 87210 94396 36669 68296 26417
37767 41084 22016 11683 48811 58426 00602 21009 94134 28333
21949 79571 85687 29088 68929 70168 61480 18449 23737 69397
58027 72751 09171 25269

Attention (message repeated) Out

8530 kHz, 14-03/16-03, 1910 UTC

612/40 Attention

19310 25255 44101 67925 36236 72126 19378 69916 50592 34413
95221 64888 60422 02701 73391 85211 29218 40038 49326 33740
71594 13646 86168 83545 33170 04277 57783 90359 31854 39217
84005 51070 99560 47390 65836 83107 91971 95263 48861 07371

Attention (message repeated) Out

12385 kHz, 17-03/19-03, 1045 UTC

698/23 Attention

65367 69316 74241 89861 29350 00850 40405 64235 33933 67481
17422 40024 75052 27756 50723 52210 92937 79298 63422 23622
87788 75524 53494

Attention (message repeated) Out

7317 kHz, 17-03/20-03, 1900 UTC

647/31 Attention

65030 23784 76152 27058 45344 64426 84961 36691 26715 84993
09925 92852 98472 74239 16906 13738 20784 27514 20852 14856
39784 73853 17529 85863 89555 89567 13481 25113 27016 00898
36286

Attention (message repeated) Out

13470 kHz, 18-03/20-03, 0645 UTC

514/36 Attention

56387 56774 98345 68835 70344 92965 92906 76644 04239 30441
83483 97432 36038 26924 15127 91435 78719 74448 50024 20361
54890 31486 52747 52024 58512 56084 64661 67806 18119 89413
57032 13165 06259 26650 53045 44633

Attention (message repeated) Out

8180 kHz, 18-03/21-03, 0800 UTC

574/39 Attention

69659 38125 11313 26966 96408 63430 07452 79269 96998 14811
76261 77383 52075 99143 59149 91735 52767 52144 24370 09289
79063 09478 79889 46200 30766 04937 43829 45304 32812 69488
74946 28681 79292 64140 39845 72184 55161 98104 63046

Attention (message repeated) Out

14972 kHz, 18-03/22-03, 1430 UTC

910/33 Attention

17052 18277 94515 98879 50910 82746 80926 42053 04550 75463
00472 86067 61916 92146 39218 61628 76189 54785 05294 97886
54169 20036 71966 40172 49228 31822 17233 26177 67818 25961
93557 38569 38016

Attention (message repeated) Out

17410 kHz, 19-03/21-03, 0745 UTC

348/36 Attention

18821 76509 61794 36494 69030 56604 79961 02632 26396 31720
56128 34415 35989 37360 05782 50601 30064 15250 98157 88402
37066 85211 11316 64539 67945 75275 07861 79509 47991 11252
77514 29754 43424 60627 20705 34269

Attention (message repeated) Out

11116 kHz, 21-03/23-03, 1815 UTC

926/39 Attention

84504 42478 33465 18026 00082 57106 89893 79605 33582 29067
80911 07592 33738 97387 46167 99229 25664 64545 84780 36517
01475 03776 41261 51544 90349 73767 49415 43212 92630 07271
09506 88687 91239 49336 35725 83139 69853 09590 45937

Attention (message repeated) Out

9079 kHz, 22-03/23-03, 0700 UTC

498/40 Attention

57680 06615 73644 97510 14965 61311 22810 81418 61151 12299
56171 53265 02869 44973 59141 40790 40934 31004 60304 53676
83236 52294 85206 95903 43084 56360 20207 54529 52025 03949
54483 45880 34661 04242 14175 05314 40105 05202 62400 02993

Attention (message repeated) Out

10213 kHz, 24-03/27-03, 0745 UTC

261/35 Attention

84098 10650 37786 66038 50852 58946 61929 34883 36256 79957
09778 18445 83778 84958 99406 06573 22659 67112 64872 88334
31391 36526 16959 54346 43880 45380 77789 73930 46564 93931
15657 52112 76414 60564 97054

Attention (message repeated) Out

13117 kHz, 24-03/26-03, 0900 UTC

532/32 Attention

97704 36536 36629 40041 30001 80171 85735 76612 48147 60794
22025 18427 17949 89448 39901 38639 00988 36120 64931 11050
07822 02070 41952 87969 32437 41383 65568 74318 39728 82781
72008 43440

Attention (message repeated) Out

5371 kHz, 24-03/27-03, 1300 UTC

312/33 Attention

09426 38299 89537 42818 97664 16969 63446 03338 41087 98071
14148 76300 25309 46505 14662 47172 38250 06127 36978 31139
28377 69005 89508 17874 51914 89424 65564 99904 29294 82332
66666 70120 54049

Attention (message repeated) Out

12530 kHz, 25-03/27-03, 1230 UTC

333/40 Attention

04406 55493 02167 71733 24655 45599 33850 85476 33700 33969
96017 09270 91915 18741 39410 83291 61066 86934 03927 17255
50385 32326 36858 29779 50751 62518 82739 32949 58226 83746
67647 10224 69153 79271 66192 18582 45159 89943 36416 61831

Attention (message repeated) Out

6940 kHz, 26-03, 0930 UTC

270/33 Attention

97582 91838 95956 75314 30248 69572 65551 49455 53236 77082
32003 74060 38962 03647 60527 05916 84024 91250 65839 24338
37389 17669 52510 65152 24888 63845 35316 27795 38198 68965
57154 71780 89094

Attention (message repeated) Out

5737 kHz, 27-03/30-03, 2000 UTC

520/31 Attention

28437 91045 46636 64065 47585 36786 02545 28003 17773 54595
75720 48261 66966 08047 58057 29482 52727 06826 16266 69608
79107 04008 22037 67271 45135 05090 79875 80367 01971 68550
39032

Attention (message repeated) Out

S06

11128/9073 kHz, 01-03, 1600/1630 UTC

13945/12903 kHz, 02-03, 0730/0800 UTC

480 536 42

93176 17213 71071 76032 95149 36240 50468 87127 63692 69590
61341 83212 36317 41468 30362 06802 72381 35691 18071 68173
36807 80213 18379 98486 43509 72753 13683 27691 27075 64853
92637 23254 76714 93415 28147 34532 70735 75826 10164 06382
74393 94525
536 42 00000

11128/9073 kHz, 15-03, 1600/1630 UTC

13945/12903 kHz, 16-03, 0730/0800 UTC

480 953 46

71938 16872 82536 06542 30413 80698 62016 90493 32586 17863
24798 19579 05760 81742 02423 14526 06506 51014 85805 37948
39625 13013 30852 29068 62837 21542 39256 62896 59636 98475
05496 17136 04046 38059 73538 43457 07932 91046 58685 41879
54804 80906 04934 84693 64747 16952
953 46 00000

11128/9073 kHz, 29-03, 1600/1630 UTC

13945/12903 kHz, 30-03, 0730/0800 UTC

480 697 44

81913 81729 03127 89219 12074 35491 57854 15769 80606 68601
18739 98086 81282 45965 74960 69147 79235 61593 38754 05349
36918 86029 04254 65347 79016 08726 84952 98165 05787 82567
39251 21207 61072 52657 81410 38537 89491 53765 43294 17626
09580 86758 93810 90987
697 44 00000

13945/15643 kHz, 05-03, 0930/1030 UTC

480 271 43

10784 53718 39105 69718 16795 73560 70257 43062 50919 18383
64897 50802 41281 32735 18737 27940 13951 21753 49575 35987
45042 47390 06305 59608 59169 38596 01859 35795 94391 98624
48492 43615 84514 35438 25216 30685 72745 25913 96801 90768
54641 51245 80741
271 43 00000

13945/15643 kHz, 12-03, 0930/1030 UTC

480 762 41
52048 68051 80313 96045 07058 14748 49137 27268 06283 57371
04909 34961 91683 98483 87031 93017 42412 27958 79712 39510
73050 57917 20232 40148 85946 65357 15185 95249 14201 53016
25405 94073 71854 61965 79073 17652 87026 54817 87873 78454
89171
762 41 00000

12207 kHz, 19-03, 0930 UTC / 11128 kHz, 19-03, 1030 UTC (not confirmed)

480 126 44
71476 65135 56528 67923 71609 36381 26813 59626 90685 43183
40930 51819 45702 17456 34321 35289 2__95 08532 54176 706__
02104 69040 97928 68025 76186 61310 _6254 85969 23451 49820
73762 65410 12359 82096 73150 91493 28278 70103 56467 38074
38026 37340 56504 26748
126 44 00000

12207/11128 kHz, 26-03, 0930/1030 UTC

480 152 46
86092 43736 98147 92583 95930 15375 25919 20815 47986 69413
61017 08942 73542 82030 97056 10432 70124 17613 24569 85383
03716 59736 29219 93091 71015 42086 30695 95043 57308 06831
07246 78236 62380 56713 29043 43418 26320 57910 35939 24938
81504 69294 50138 68507 43140 15406
152 46 00000

Test transmissions

10755kHz, 12-03, 0840 UTC

975 321 60
98425 60764 50719 45741 41713 24170 65753 26851 56552 42766
70492 58063 93846 53673 38500 22010 15856 88664 06067 62235
25725 65596 48087 56311 01809 03753 73558 87089 22712 92813
89150 54303 93991 70114 04278 93664 12461 85902 76110 95692
29022 61266 17968 41417 95974 68422 19531 97178 09735 88063
52298 35687 84902 23435 58746 75542 20612 75843 48606 56402
321 60 00000

Pacific schedule

11616/9322 kHz, 03-03/04-03, 0400/0420 UTC

480 153 60
12451 24564 15667 38146 81787 63268 47328 77289 32384 44053
57357 93408 20084 04316 98634 55369 86562 14126 04973 24595
75726 51971 38622 36333 58802 23973 55057 67346 91564 43731
70989 19727 52114 15013 46540 75497 32674 84456 17508 01712
83820 56480 38672 10726 34593 87587 24074 05333 36924 02256
95200 63451 0781997595 763019 42046 67726 28952 74801 04984
153 60 00000

11616/9322 kHz, 05-03/06-03, 0400/0420 UTC

480 296 31
92539 54329 20729 42726 41506 93342 17058 07536 90664 16066
97272 26289 71153 43839 21279 64496 15487 44012 74726 94924
85037 86116 93620 14366 22617 53520 16361 97604 91091 80263
86665
296 31
480 371 25
89016 03436 21739 34539 81264 34996 61514 95146 52236 25900
78192 99000 22147 70362 83546 83449 45202 51694 30525 70249
90208 89093 65982 22949 96278
371 25 00000

11616/9322 kHz, 07-03, 0400/0420 UTC

480 480 480 00000

11616/9322 kHz, 10-03/11-03, 0400/0420 UTC

480 526 60

26055 44126 98148 33815 00857 09419 93058 10648 96741 48925
98322 12239 64138 98646 88254 56699 01392 64248 35882 07696
94382 87900 90906 82936 52726 98030 72193 35419 09744 77917
54512 05864 78387 14077 54200 69778 80312 10361 43437 27589
90278 78733 47823 11273 63074 42622 06943 05938 35147 13824
02607 09772 18124 28874 84456 80821 26421 55826 47618 44010
526 60 00000

11616/9322 kHz, 12-03/13-03, 0400/0420 UTC

480 971 27

62415 52986 58446 43726 59754 11692 73653 36263 45456 57918
06551 75489 44871 19366 75399 26514 27569 38977 45375 42540
71151 37747 61375 22639 18915 46776 27018
971 27
480 352 28
93186 43212 29149 08698 34883 28636 39713 72390 75969 88513
17846 89495 57293 91984 08836 59388 15347 94645 31258 52939
69502 93419 45103 21934 12843 99505 10244 60152
352 28 00000

11616/9322 kHz, 14-03, 0400/0420 UTC

480 480 480 00000

S06 9322kHz 0420z 2025-03-17

480 691 52

50252 27334 77535 83593 69527 04374 64405 17979 00127 43226
50342 18061 12590 66095 68909 39333 97730 68819 83159 91357
49929 31091 05495 80859 01310 81076 89512 14666 55223 56614
04754 17208 92500 30185 30297 42261 48882 89838 28145 83602
87081 93265 82330 14293 11919 37198 14675 09246 01956 09336
13160 30802

S06 9322kHz 0420z 2025-03-31

480 315 52

07591 70256 37698 84175 81379 08891 65953 33964 38419 62220
11439 46509 81311 50455 86222 12197 87250 60905 08563 05890
23395 68600 24779 90022 31092 01156 52313 23653 39888 52556
67416 94658 97252 75560 85909 17267 24973 07403 10346 62096
38142 08479 42667 10920 87678 18719 83882 53306 12329 61310
72361 67357

S06g

11073 kHz, 10-03, 1620 UTC

352 54782 (R3m) 352 352 352 54 [35s silence]

352 54782 (R1m10s) 184 32

96395 26159 43477 53754 54461 83996 83784 78759 36175 72791

12767 68141 02604 88377 [20s silence] 909 2 [20s silence]

352 54782 (R1m)

12767 68141 02604 88 [10s silence]

352 (R1m)

12767 68141 02604 88377 37111 67909 21661 34654 72960 17057

54697 25283 98178 27635 [10s silence] 0610 [19s silence]

352 (R1m)

72960 17057

54697 25283 98178 27635 50610 22996 92604 04763 39665 77424

70976 30024
184 32 00000

Recomposed message:

352 54782 184 32
96395 26159 43477 53754 54461 83996 83784 78759 36175 72791
12767 68141 02604 88377 37111 67909 21661 34654 72960 17057
54697 25283 98178 27635 50610 22996 92604 04763 39665 77424
70976 30024
184 32 00000

11073 kHz, 12-03, 1015 UTC

352 352 352 35817 769 40
47256 06864 17350 16499 93323 45280 81364 53957 56123 79694
69868 50406 66907 70738 82862 65102 93221 87460 97213 15464
62555 443 pause
352 (R)
87460 97213 15464
62555 44337 45434 39706 19295 04781 26978 22089 94663 49587
44245 41681 94337 33772 80484 30610 33423 80209 61768 52718
769 40 00000

Recomposed message:

352 352 352 35817 769 40
47256 06864 17350 16499 93323 45280 81364 53957 56123 79694
69868 50406 66907 70738 82862 65102 93221 87460 97213 15464
62555 44337 45434 39706 19295 04781 26978 22089 94663 49587
44245 41681 94337 33772 80484 30610 33423 80209 61768 52718
769 40 00000

Sporadic schedules

19948 kHz, 25-03, 1400 UTC Active
17516 kHz, 25-03, 1500 UTC 539 60199 (R4m) 00000

19948 kHz, 26-03, 1400 UTC. Instead of F06 ID 10064 539 60199 (R4) 00
17516 kHz, 26-03, 1500 UTC. Instead of F06 ID 10064 539 60199 (R4) 00000

Note 1: this is NOT S25. This is an S06g null format. S06g is usually logged on known test frequencies (11073kHz, 10755kHz, 9463kHz), but it has also been logged on sporadic schedules before. The S06g null format is even rarer, but it does exist, and was used here.(PY)

Note 2: during the March 2024 sporadic event, this schedule had already sent an S06g 539 60199 message (not null), featuring the same 60199 callup group. (PY)

S11a

14363 kHz, 27-03, 1623 UTC 11002 (R4m)ID 002 would correspond to the Russian embassy in Dar es Salaam.
14363 kHz, 27-03, 1635 UTC 11002 (R4m)
11445 kHz, 27-03, 1645 UTC 11002 (R4m)

S11a

8597 kHz, 03-03/06-03, 0700 UTC
471/34 Vnimanaye
43353 36125 22338 12205 60229 27751 29111 23146 97456 20982
55627 11050 61483 83043 38361 49214 25308 41645 23781 00222
81479 16739 44873 72253 54971 87387 72612 28264 18756 24631
78842 53964 02514 68795
Vnimanaye (message repeated) Konets

6480 kHz, 10-03/14-03, 0915 UTC

485/35 Vnimanije

50786 24360 97175 18008 78924 11174 41231 48278 89341 47121
 51835 38105 68139 22177 14335 05805 91142 26583 06860 56097
 44912 04378 15352 68831 87401 23749 94029 96419 95988 29530
 38092 63980 68258 85101 19378

Vnimanije (message repeated) Konets

11420 kHz, 25-03/28-03, 1400 UTC

425/32 Vnimanije

59895 21265 58405 33418 03841 89229 21828 27286 98454 71396
 10885 33316 01431 07151 06579 00155 26384 66157 64249 34440
 09015 21300 03573 57249 34173 55706 16811 69550 79472 11410
 37250 16362

Vnimanije)message repeated) Konets

23353 kHz, 26-03, 0725 UTC

381/38 Vnimanije

88163 33969 73958 19417 03128 99966 88255 65955 10211 90312
 82856 64987 37773 47054 29296 56243 42804 35202 82456 24178
 24779 29493 59124 22673 43894 99629 43716 92010 99810 58477
 63947 25794 12254 27941 74540 81300 73227 88307

Vnimanije (message repeated) Konets

10213 kHz, 26-03/29-03, 1850 UTC

280/36 Vnimanije

56608 76888 30681 07969 18129 74918 22920 68507 64948 25786
 72781 18273 72413 32827 49525 88495 27306 55596 62678 34008
 51987 17975 10904 99114 49995 35709 88677 38857 32828 82006
 88807 98347 33705 82083 75387 60817

Vnimanije (message repeated) Konets

6433 kHz, 29-03/30-03, 0830 UTC

373/36 Vnimanije

93098 84861 30221 45067 53680 04138 17039 72660 89222 82809
 74368 88919 69326 00471 13030 57621 63374 37509 46863 63178
 58823 05814 13273 33757 95288 21439 18646 56761 91628 84254
 82122 73992 51208 92150 46207 06073

Vnimanije (message repeated) Konets

S25**7859 kHz, 18-03, 1307 UTC**

i.p. 936 44395 [no 00000 outro]

4507 kHz, 18-03, 1320 UTC

936 45145 (R4m)

936 45395 (R4m) 00000 [26s silence] 00000 [35s silence] 00000 [44s silence]

936 00000

936 [23s silence] 00000 [7s silence]

936 00000 936 [16s silence]

936 00000

936 [16s silence]

936 00000

936 [15s silence]

936 00000

19389 kHz, 27-03, 1435 UTC. This transmission had both its beginning and end cut off.

2 002 002 72572 002 72572 (R3m25s)

002 85572 (R3m45s)

002 0

17456 kHz, 27-03, 1445 UTC
002 83632 (R4m) 002 70532 (R4m) 002 00000

V07

19172 kHz, 02-03, 0200 UTC

112 112 112 1 1541 112 1541 112
34262 77489 51991 15830 19057 58063 71217 84726 22761 29436
31724 39905 64068 45630 04565 36265 05418 50619 24202 39217
11050 11588 54842 01037 85104 73364 12938 24260 17957 60791
49352 07749 94571 16637 56049 70628 86853 73026 56342 90601
50643 01137 14650 78027 08650 92434 98984 05442 76036 13893
64016 68752 18767 30204 65064 82752 97046 13485 94785 97355
61147 24146 32470 53164 76615 85711 58321 27695 16524 29861
07351 28467 17006 72356 58477 98862 47533 73825 59064 88746
12030 04918 50216 29793 46605 51252 68427 32191 67459 22815
41422 22355 64095 05874 56385 43846 74390 49710 51583 33715
85762 58277 81795 62925 28882 16393 77505 38625 60798 84389
07294 92036 000 000

19172 kHz, 09-03, 0200 UTC

112 112 112 1 9245 80 9245 80
98250 68186 36757 83926 03356 14356 48792 44507 90293 97248
00912 14123 66554 71742 99165 63570 10342 31049 63854 55571
74448 52005 56346 09634 20427 91318 73772 62079 67395 81146
10879 51599 30463 19055 08816 26319 66780 27852 72802 17391
25044 39571 43620 82264 90048 10704 99060 71793 98684 31919
04827 08096 61493 36183 35929 35323 06188 12639 71939 90914
51319 64349 08070 79001 33123 47876 24268 81665 46741 80834
99530 03363 40990 25954 67949 79836 10102 86929 13480 08197
000 000

19172 kHz, 16-03, 0200 UTC

112 112 112 1 5595 104 5595 104
77418 73916 69043 05101 14501 26032 09378 36804 19589 20515
29903 70138 41844 68770 34249 06896 23345 29677 31332 32190
95109 89353 87028 94014 62975 43859 12444 71104 10374 54158
78730 03518 12147 09505 70031 01051 49416 53976 13531 95821
60444 58817 62044 06459 07771 24342 59967 29998 06499 94184
75776 33000 80129 57961 26094 22142 13616 47600 13852 87323
68766 77051 23567 20094 96573 28808 25881 30385 98170 86822
68489 75975 09448 23243 56000 57323 91776 72314 57417 32512
20755 93687 89727 85083 72827 28555 65375 20523 28347 65654
94706 17892 88843 75405 61681 02841 23547 43645 47669 59517
63587 67861 79044 59324 000 000

19172 kHz, 23-03, 0200 UTC

112 112 112 1 5841 53 5841 53
03896 79633 85800 15359 83508 06024 57202 06878 07307 35786
97473 23298 61700 44007 31013 03238 27828 78203 45789 75281
39393 05549 39644 95323 67915 86978 86079 61935 84387 11994
10544 44261 53144 84485 90004 96196 86824 83697 65888 60396
23531 65533 98111 72480 69717 30628 35450 34931 82794 44563
55322 09129 87166 000 000

17431 kHz, 30-03, 0200 UTC. Wrong frequency. This the frequency for April

112 112 112 1 7338 73 7338 73
88548 55356 88925 79688 38670 60957 91383 44263 90406 91745
71648 09740 89503 49415 69625 30349 88018 88409 08221 10280
42388 78580 49609 66087 00739 38447 96881 64587 41705 37346
48944 99387 76418 28253 56634 05145 99033 57087 21524 78226
76845 57801 73713 33260 13290 18568 88870 81024 19229 45944

60217 80463 65477 67261 24716 47429 99263 02485 07349 82919
06737 19072 99875 96777 53201 06513 41647 06090 63641 32050
95244 83966 78029 000 000

V13 - New Star Broadcasting Station (星廣播電台 Xīngxīng guǎngbò diàntái)

V13 designators

- V13 (regular classification) : Standard format. AM/USB hybrid, introductory phrase spoken twice, three messages addressed to three different units, group counts between 30 and 35.
- V13a: Old format. AM mode, introductory phrase spoken only once, analog voice synthesizer, 5-7 messages addressed to 5, 6, or 7 units with group counts between 20 and 39.
- V13b: AM/USB hybrid, introductory phrase spoken twice, 4 messages to 4 units, longer group counts between 50 and 69 in each message.

Logged by Fspy and ZC. Comments by Fspy.

15890 kHz, 03-03, 2300 UTC. New Star Broadcasting. Station 3

Unit IDs: 6142, 6346, 8305

Group Counts: 35, 34, 33

8516 9147 6641 4269 3847 4700 0337 3567 5808 5345
1378 2864 6522 5467 0786 8410 3434 5920 6769 3575
7986 2060 7155 4310 2133 1258 5158 6132 4502 3643
1309 5400 9559 8743 4851

0695 3921 8845 0120 7814 8854 0867 0064 3277 2500
6726 7299 3953 8533 7483 4634 9188 1037 5942 1526
0430 9856 4008 4351 2227 4102 8190 8411 4115 1410
2596 3496 1297 3970

0926 6131 6005 8812 6652 7173 5325 3475 3061 0623
5930 7402 1814 2909 3728 6107 7200 6367 3686 0853
2424 8432 1044 7197 4137 1711 5908 0075 7977 3398
1243 9200 9439

Note: two days later (3/5), station 3 forgot to rekey to 18040 at 5 PM (1z). Because of this, it QRMed with the Taiwanese "Voice of Hope" radio program on 15890. Station 4 also forgot to rekey and remained on 15388, clashing with China National Radio. No V13a so far.

8300 kHz, 09-03, 0206 UTC. New Star Broadcasting.

Message to units 0651, 2692, 4054

13974 kHz, 08-03, 1203 UTC. New Star Broadcasting. Station 3.

Message to units 6142, 6346, 8305

15890 kHz. 08-03, 2300 UTC. New Star Broadcasting. Station 3

Unit IDs: 0401, 3108, 9058

Group Counts: 35, 30, 31

3437 0287 3141 2252 8182 8873 2173 7301 9410 2039
6738 5233 4983 2473 2408 0822 4535 8474 0017 2776
3992 3797 4891 4349 7654 4272 6569 4864 4214 2125
4128 6802 3530 1705 5917

4745 6089 6650 9407 0343 3697 9557 3470 0032 9918
4443 9591 7931 0985 1515 1168 0920 4705 5826 2367
6165 2061 7028 1277 7954 1464 1593 9660 1209 4994

6550 6331 1147 5885 3963 9373 8601 4155 2327 5873
9903 1938 3825 3738 0260 6110 0058 1632 8611 1467
8730 1827 7289 0229 3618 9311 9197 8745 9363 8946
1969

No transmissions on March 9th, only carriers. Carriers didn't even rekey or change frequency after the time slot changed

20025 kHz, 11-03, 0120 UTC. New Star Broadcasting. Station 4

Unit IDs: 0585, 8374, 9704

Group Counts: 34, 33, 32

0992 2171 6110 1526 0443 1448 9410 3910 2083 9170
5684 6742 1468 7555 7586 1370 2043 8954 9797 9827
5383 8636 3472 5326 0380 2904 2210 5518 2300 5231
4336 1650 2538 2992

9483 9322 2202 6671 6828 9465 6289 0965 2113 9181
1607 8796 1128 7364 1821 9023 3290 5700 5364 6748
6297 7045 7312 2814 0433 0691 0402 1064 8902 6981
2378 0482 8252

1139 6297 2386 4260 0697 9657 5590 0112 1399 6512
5837 4783 6250 4247 2740 9317 8237 9852 1682 4284
1810 2855 7921 6935 6135 8347 4593 1322 7782 3583
9706 1242

Note: very strong signal when received from Manila in the Philippines. Possibly the target area for the broadcast/where the agents are located.

8169 kHz, 11-03, 0200 UTC. New Star Broadcasting. Station 1

Unit IDs: 2547, 3332, 7290

Group Counts: 31, 30, 35

4448 5599 3523 8551 7880 6835 3933 2216 6002 0336
5723 2989 8220 2225 7502 7992 3887 5341 7910 4398
3078 9398 7454 7029 4679 6164 1198 8196 3767 1796
6781

6749 4254 8609 6265 6825 0909 6089 2476 3372 9907
5102 0882 5663 0680 5027 1774 1987 0264 8396 6760
9981 7067 8460 7346 4414 4241 0428 9604 5036 2039

7883 0685 9805 7533 4263 8908 2904 9790 2975 4538 1405 2771 4805 2292 2742 6013 7248 9526 3816 7914 5737 9767 5869 4342
0729 7163 6294 9779 6072 7023 7852 5476 4031 0394 9705

15890 kHz, 16-03, 0000 UTC. New Star Broadcasting. Station 3

Unit IDs: 0391, 0440, 0745

Group Counts: 35, 31, 33

7416 1525 6430 2835 6555 9718 7028 1462 4389 3791
2128 7019 2617 7747 2683 7446 7099 0296 2746 6573
9057 6663 5115 0580 8074 6520 3320 5270 9501 2240
5996 9971 3951 5326 1505

4561 6317 7218 1459 5117 0731 3865 8551 4452 3616
3417 4219 9200 5958 3203 9327 6990 0082 8178 4920
8550 2036 9312 1812 9996 6456 4012 3046 1110 4981
5982

2028 6310 4593 6585 1187 8936 2551 3535 7950 9857
1713 7376 9278 0902 1340 5452 0789 6446 4323 5891
3544 1094 8524 1600 5262 4575 8087 1247 8881 9035
2425 4433 0139

20025 kHz, 16-03, 0100 UTC. New Star Broadcasting. Station 4

Unit IDs: 1380, 5105, 6380

Group Counts: 33, 35, 34

9894 9745 9671 6914 9997 1885 8615 1742 6082 0996
6032 3121 8612 7950 3396 1375 9620 3598 5122 7031
0645 3044 3451 2971 9168 8789 4687 5465 4857 0607
9567 0007 7254

9971 4205 7533 5482 1162 0787 7084 0782 8016 4865
5307 0693 9066 9666 9453 4055 5061 5639 3307 7742
8294 5621 2430 2390 2665 0573 2406 7922 2271 7622
4842 9544 0797 8688

7932 0698 9288 0492 3703 4363 1124 7182 8969 2733
7240 6910 5059 2067 6618 0929 9326 0197 5611 1506
7899 7815 7483 0591 6102 1730 1768 1203 2344 3880
7700 7320 1138 5327

8169 kHz, 16-03, 0230 UTC. New Star Broadcasting. Station 1

Unit IDs: 4273, 6009, 8086

Group Counts: 34, 35, 33

2574 5463 2979 0500 3196 2743 8059 0605 2524 0756
5249 6436 1151 5266 7011 8498 1437 0001 5271 5459
5507 0281 8680 5629 2127 1296 6736 4946 3717 5694
5433 9637 1927 3193

3543 0193 4203 6759 1199 7680 8308 0893 2658 1635
2257 8655 5674 6463 6289 0764 5724 1959 0180 9289
5282 3762 7352 3936 6062 1952 0988 5464 4282 1659
4213 3714 0711 5344 6445

9989 0442 5529 7063 1636 4006 8254 8744 5136 2156
0660 4692 3107 3659 0102 2952 9423 2719 2526 2373
4381 1178 1561 1928 4954 8037 0492 0931 1931 5242
5290 1151 9495

8300 kHz, 20-03, 0230 UTC. New Star Broadcasting. Station 2

Unit IDs: 4418, 4449, 7831

Group Counts: 31, 30, 32

3238 7297 1657 3127 3239 3305 7675 2142 0588 4971
3723 9274 3247 2963 4555 1459 5243 2484 2849 6544
4235 0651 3207 7743 9058 2006 0537 4721 2856 0010
2271

2256 3567 2037 2474 0607 4267 4630 5546 3528 8683
3354 8272 7107 1776 2520 9849 6779 7470 5663 4756
7817 7483 6327 2847 3306 2356 4338 8107 1778 3361

2742 6894 2102 5621 3079 2414 9959 9565 0795 6414
4088 1499 2664 2704 8147 1833 8977 8742 7803 8310
4860 0343 0319 0309 7444 6337 6074 0631 2242 9206
1406 7308

15890 kHz, 31-03, 0030 UTC. New Star Broadcasting. Station 3

Unit IDs: 3039, 6603, 8309

Group Counts: 32, 31, 35

3786 2005 5761 8599 8054 5535 3100 7756 0339 3148
9491 2481 9662 2810 9286 7331 6052 7820 0991 6351
1996 6507 0287 4428 3079 1868 8531 4158 9686 1706

1335 9567

6603 5481 2756 1799 4932 3346 3733 5340 8123 4845
5400 4557 4923 3834 9192 3244 7385 9212 7323 0371
5014 2764 7721 5992 4400 3562 3528 4676 1045 4355
3376 2102

7510 2538 2756 2423 5476 8198 6186 8015 6622 9134
4233 1116 4190 0411 0879 1349 7916 7019 0136 0173
8629 4831 3492 7601 2390 2016 1288 4332 1096 3811
5393 3938 4078 4476 6747

Note: started almost five minutes late this time and made an error in the second message. The group count is 32 like the first, but the preamble said it was 31 groups. The 20 group separator played after the 21st group.

V28 - 앵무새 Aengmusae (Parrot)

3044 kHz, 11-03, 2102 UTC The Parrot, traffic

V26

9392 kHz, 25-03, 0958 UTC. i.p.

824 203 023 326 004 773 318 351 246 353
412 938 403 445 938 446 46? 938 445 486
319 357 403 938 418 445 938 446 486 005
773 318 353 246 351 411 445 938 445 46?
486 319 353 411 938 418 445 466 938 446
486 006 773 318 353 246 351 410 938 403
445 466 486 319 353 403 938 418 445 466
938 446 486 008 773 318 353 246 351 411
445 466 486 338 483 319 353 411 938 418
445 466 938 446 486 338 483 009 773 318 1
353 246 351 362 411 445 466 487 319 353
411 938 418 445 466 938 446 486 338 483
010 773 318 353 363 411 445 938 446 486
338 758 482 319 353 363 411 938 418 446
467 486 338 758 482 011 773 318 351 246
353 338 362 411 445 938 446 486 338 758
482 319 353 338 362 411 938 418 446 467
486 338 758 481 012 773 318 351 246 353
411 445 486 319 353 411 445 938 446 486
338 758 482 013 773 318 353 418 445 486 2
319 353 418 445 938 446 486 K NN
FK 发报结束 (end of transmission)

MORSE STATIONS

M01

One of the operators has a remarkable signature. He/she sends at a high speed but usually makes a mess of the last part of the message.

6260 kHz, 01-03, 1500 UTC. Incomplete last group

463 563 563 30 30 = =
57291 48932 57483 59873 18372 48391 60986 44382 39008 57481
67583 48291 47509 47381 38271 48398 38741 38985 57483 71823
48954 48371 47382 49817 49827 48918 54857 58194 57483 45
563 563 30 000

5020 kHz, 04-03, 2000 UTC

463 180 180 30 30 = =
92837 83909 48762 37847 28374 28374 82930 19287 38293 19209
20390 18273 48273 27361 49283 48590 29387 48576 26447 19209
92837 48293 10293 29384 18273 19285 29381 29309 28475 19283
= = 180 180 30 30 000

5475 kHz, 06-03, 1800 UTC

463 457 457 30 30
68978 15423 47658 69870 98789 47613 25436 10978 37648 15423
59867 10198 22987 36765 49870 22654 48576 10989 39809 11432
98756 49877 10935 47658 14325 44765 58790 22653 49857 60098
457 457 30 30 000

5020 kHz, 06-03, 2000 UTC

463 697 697 30 30
48756 15423 46857 66098 42658 10987 39867 30398 58790 11546
47587 19098 57645 24354 29870 24315 47658 00987 47658 22875
47658 54560 76876 22765 39879 50989 36457 11432 47688 49809
697 697 30 30 000

6260 kHz, 08-03, 1500 UTC. A mess after group 23

463 196 196 30 30 = =
68594 59301 57384 19483 47381 29483 59098 57481 28473 48194
87654 98095 38172 37483 12983 48109 58839 20091 47653 12348
56473 48198 57463 **76318473 18434758378347381 47147398 47398**
47584 47381 4731574874
= = 196 196 30 30 000

5475 kHz, 11-03, 1800 UTC. A mess after group 22

463 532 532 30 30 = =
46752 34243 56734 78905 32143 54367 89067 46521 78906 46521
78906 46532 85764 34521 89043 56908 32786 45612 89065 53412
32132 76854 **6667854 43256 78965 45612 11233 11367756754566**
4556770676 45362 4532 67534 675556 56
= = 532 532 30 30 000

5020 kHz, 11-03, 2000 UTC

463 320 320 30 30 = =
86795 47562 12353 70096 46523 43613 64537 85763 87569 53642
53466 54632 65724 65743 65732 68579 00981 56211 75463 54632
53641 64512 56412 64752 64342 12879 86759 89076 43094 20015
= = 323 323 30 30 000

5475 kHz, 13-03, 1800 UTC. Errors after group 28

463 264 264 30 30 = =
64857 12387 46572 80989 34056 12300 00321 64098 23401 01043
98604 23451 41352 70065 45602 24504 65003 67403 33002 64200
65732 12300 45321 21012 65472 89065 65403 23409 **2349657326753162 53162 (5316)**
= = 264 260 30 30 000

5020 kHz, 13-03, 2000 UTC. Error in red

463 342 342 30 30 = =
34509 65980 64593 12654 43251 86790 00977 65742 **223455** 22345 65734
65471 89004 76045 00112 28103 76334 45609 12421 76512 13209
64723 57683 78901 11098 00943 01234 65323 86970 00895 06767
= = 342 342 30 30 000

6260 kHz, 15-03, 1500 UTC

463 421 421 30 30 = =
45621 89054 76851 43213 22314 98097 77095 55674 43221 76854
90079 00312 32650 80903 57423 33237 32431 75473 86795 00088
64362 32176 54876 46573 32333 32344 89056 65432 90054 06767
= = 421 421 30 30 000

5475 kHz, 18-03, 1800 UTC. Errors after group 27

463 899 899 30 30 = =
68790 25343 75133 40765 30968 46536 22876 59800 48756 25413
48875 60978 27639 49857 10997 48756 70968 34532 49867 25432
90908 48697 57645 15423 55676 39870 28756 **2875 39867 39673765 3690798 979**
= = 899 89 30 30 **00**

5020 kHz, 18-03, 2000 UTC. Errors after group 26

463 957 957 30 30
86987 15429 60946 29857 27485 60978 15436 59870 36524 18769
59867 15436 29987 60989 58745 98767 08976 36547 19870 44765
39867 18769 09878 37656 49987 57465 **54629856 2963564 7 38769 3876 20967267**
= 957 957 **300 0 0**

5475 kHz, 20-03, 1800 UTC. Errors in red

463 101 101 30 30 = =
89047 38172 38958 49028 48371 28472 48594 18473 28473 28574
89088 57644 38756 12834 57483 57483 19847 58948 57463 19084
38756 57463 48765 58490 57483 49871 58695 56473 19086 57483 **58348573 453**
= = 101 101 30 30 000

5020 kHz, 20-03, 2000 UTC

463 568 568 30 30 = =
57485 12473 28495 38471 29343 48573 19847 39085 38172 38904
89076 45673 12348 69873 19087 55732 34518 58764 18905 47384
57483 48905 48732 18948 58903 48371 48732 48752 38984 57482
= = 568 568 30 30 000

6260 kHz, 22-03, 1500 UTC

463 786 786 30 30
09797 25436 57689 15432 40978 30968 57648 57092 37645 10968
00980 47658 43121 49867 15423 33654 10969 33875 69870 28769
49487 50897 57632 11097 49867 09990 47658 25431 33980 48769
786 786 30 30 **00 0 0**

6510 kHz, 23-03, 0700 UTC. Errors in red

463 (also **63 43 333**) 911 3 911 30 30 = =
09789 46576 10975 28759 12398 59876 38769 27653 59867 **55987** 16534
28756 40989 55876 99809 36546 14325 69870 36547 19857 22314
50509 35467 13245 69877 **9 309879** 49877 27654 30978
911 911 30 30 **0000**

5475 kHz, 25-03, 1759 UTC. Different repeats in red

463 413 413 30 30 = =
75684 24435 86790 08912 65409 45761 32098 **23089** 08971 13213 75684 **76584**
80098 54321 77534 76512 43509 88091 67854 32413 **313** 87965
67548 65743 43243 31212 **312** 06767 0 03421 65743 78695 55436 87695 05454
= = 413 413 30 30 000

5475 kHz, 27-03, 1800 UTC

463 392 392 30 30 = =
56654 89043 43632 79914 53273 65231 97084 56732 23054 65472
65712 45362 20032 00676 43456 86793 32412 57465 44354 87967
54362 34521 34561 87694 46573 78903 00432 67675 66532 78693
= = 392 392 30 30 000

5020 kHz, 27-03, 2000 UTC. Different repeat in red

463 645 645 30 30 = =
43321 89043 65731 45632 90043 54450 55660 76511 11035 67581
86794 75683 12341 06767 58674 89060 56471 23434 44067 64512
75686 23414 45324 **53244** 86794 89065 46523 12326 76584 89043 56432
= = 645 645 30 30 000

6260 kHz, 29-03, 1459 UTC

463 190 190 30 30 = =
 47814 48959 EEEEE 48958 19047 59843 19048 57831 48958 49083 58918
 57847 38958 47381 57849 85789 57483 58948 19058 57382 48598
 57847 37829 56478 58931 57859 47381 48598 57849 57847 56789
 = = 190 190 30 30 000

6510 kHz, 30-03, 0700 UTC

463 589 589 30
 57839 49038 18372 57483 48590 67321 57843 58948 57483 58498
 57839 19034 57684 57843 19834 57483 58574 19847 48734 58743
 58745 38912 58473 12984 57847 38193 58743 19845 57843 19047
 589 589 30 30 000

M12

8126/7526/6826 kHz, 2200/2220/2240 UTC

8126/7526/6826 kHz, 01-03/07-03/08-03, 2200/2220/2240 UTC

178 178 178 1 3054 93 3054 93
 16737 40643 03684 67762 02330 35803 95215 72851 32572 67727
 05497 70763 37113 05172 47350 36764 92439 17778 52825 95530
 57477 06347 81133 29916 24470 65188 84894 48152 16690 72825
 13236 45163 30326 01039 79559 43159 79183 15657 76078 29809
 81214 86045 88655 57070 83340 24428 38935 44710 09579 59328
 94705 87587 74588 57576 67708 89449 00538 67024 66599 51692
 97041 75684 62432 63889 78827 40767 03399 45271 87664 57997
 19885 59458 02099 84700 97110 69648 56853 56651 13455 41933
 95464 31093 61522 28851 32769 11293 52151 31923 25256 96170
 38369 59490 97951 000 000

8126/7526/6826 kHz, 28-03/29-03, 2200/2220/2240 UTC

178 178 178 1 6002 67 6002 67
 85454 38893 00724 50523 38286 35185 59087 97777 13480 97838
 65705 12607 89421 55011 84154 04386 50276 91095 68306 27680
 38585 82025 23826 58814 36833 83338 54001 76333 64096 41291
 51837 94445 64548 11545 76198 06216 14449 36315 58298 43061
 86741 71952 26490 42118 75354 75351 89754 99808 78230 65033
 86741 09059 24628 89587 88833 39839 71227 92730 21350 33122
 04429 22166 95159 77032 53078 85365 79320 000 000

11519/12194/13407 kHz, 1100/1120/1140 UTC

11519/12194/13407 kHz, 04-03, 1100/1120/1140 UTC

289 289 289 1 4512 61 4512 61
 68404 90688 36702 85494 09382 38413 33318 93632 76130 16035
 79507 43165 03003 74783 92702 93428 60846 73000 25444 02048
 87262 51128 58231 93794 75609 33884 27055 40638 63188 05246
 04781 93377 06024 01210 71342 49198 36099 79818 78577 79542
 76173 76739 96595 11463 69378 49351 55552 44868 19198 57270
 58279 37601 05167 86709 76893 17276 32456 42907 09885 75497
 11357 000 000

11519/12194/13407 kHz, 11-03, 1100/1120/1140 UTC

289 289 289 1 5800 58 5800 58
 45164 37395 12083 58061 19236 85480 11002 14762 39416 13538
 94744 98906 21851 27794 41942 14778 08844 92799 87835 56718
 18398 94985 34133 80013 49118 63128 42989 32633 03171 23155
 21467 98229 36746 35686 29114 77030 07271 13175 96706 92110
 71804 74364 59227 55239 28473 88267 51557 97797 28601 55980
 72753 19605 14867 01163 15459 50178 03262 32068 000 000

11519/12194/13407 kHz, 18-03, 1100/1120/1140 UTC

289 289 289 1 7842 62 7842 62
56462 49006 07418 54618 51062 41839 08865 74056 77408 57161
21235 41310 58119 35596 94868 39546 10919 58595 55785 94331
24101 98331 65570 61513 10562 16865 98402 82995 95304 16213
43440 53448 11600 45239 87605 76908 90017 16621 32100 98265
29259 75693 54741 55175 79444 18622 67297 59006 88191 07628
84614 29642 13521 30457 51828 58130 83434 45903 44055 34197
43436 25869 000 000

11519/12194/13407 kHz, 25-03, 1100/1120/1140 UTC

289 289 289 1 2304 56 2304 56
93033 18890 87295 06515 35027 63018 01310 81039 17767 67816
13029 76417 35208 77277 44744 38574 10555 38808 37464 88623
19657 83843 26114 77826 17927 42915 92224 56170 66486 52155
58072 30820 20771 78323 79484 79087 73220 51784 54846 42283
07217 78789 55457 79019 13164 25583 31550 47877 09890 86133
75977 73424 04320 75445 94735 09190 000 000

11435/10598/9327 kHz, 1800/1820/1840 UTC**11435/10598/9327 kHz, 06-03, 1800/1820/1840 UTC**

938 938 938 1 3284 81 3284 81
56810 59464 88321 48418 43679 85826 12765 57053 28985 15408
37064 15918 66702 01634 47033 27011 59096 56004 58138 65446
62676 64155 57517 08650 51436 22790 07751 94428 98124 67373
62518 15690 89644 65630 50186 57394 33025 34782 66582 89000
18152 58156 23097 25004 33212 24820 86878 48512 59562 23623
79459 07176 95137 83833 07297 92654 01946 79671 96980 20889
78075 18336 58928 61610 52888 21373 26273 01072 51447 89638
93984 24314 89421 69137 47294 04519 41057 32513 75436 26615
35910 000 000

11435/10598/9327 kHz, 13-03, 1800/1820/1840 UTC

938 938 938 1 9658 81 9658 81
20810 78222 23578 03654 42516 20185 32844 09673 82410 76486
65951 63058 22200 32993 54185 85577 63858 74326 89969 57138
07455 84310 97518 23558 44634 94530 61937 85862 97779 58699
67788 79932 47525 57142 72222 51718 67876 69517 14384 14556
70565 59904 43418 21312 59165 76085 43900 57323 18715 16033
34898 43326 27076 99924 52853 36499 80702 00020 59018 47985
58246 46980 11893 23711 08697 86018 15533 65056 60770 02467
17700 94340 59942 75413 85582 57549 40891 76206 64391 68548
50629 000 000

11435/10598/9327 kHz, 20-03, 1800/1820/1840 UTC

938 938 938 1 6384 80 6384 80
61134 28041 22421 98012 19059 30122 04253 97958 04153 05388
66384 45288 18545 98839 12778 63161 93082 12024 28145 91734
51679 77800 50998 40701 42451 27639 12838 47291 77340 06927
69932 28054 09275 74360 22383 79485 55093 26079 12460 26344
88252 06317 88768 60370 41319 10467 06992 86983 72669 68176
85593 69531 21282 97023 04992 83333 77042 81719 55561 91418
17283 56960 20618 97224 35455 38329 36013 44184 76456 33291
08067 67003 99563 01801 03481 45362 89031 90627 99380 31983
000 000

11435/10598/9327 kHz, 27-03, 1800/1820/1840 UTC

938 938 938 1 6940 77 6940 77
27757 33491 78492 21603 75986 94380 04309 43572 70856 26748
78402 25751 62376 94624 64484 81107 46624 46633 18601 91147
85450 12366 59413 30518 67721 45140 21023 96620 21778 89526

52231 23188 08953 17120 30663 73896 93493 38645 55251 07378
32710 96584 51190 03307 11944 67650 88070 41687 19829 25820
07112 14602 96408 01648 35969 15391 74076 47973 13881 30845
73357 07687 21793 81328 74516 55214 16798 45255 63961 90587
87612 07979 93380 11222 58437 88865 61175 000 000

10238/9138/7838 kHz, 2000/2020/2040 UTC

10238/9138/7838 kHz, 12-03/14-03/19-03/21-03, 2000/2020/2040 UTC

218 218 218 1 170 36 170 36
37884 70513 25030 46805 92361 24923 39640 35568 18178 57224
79860 26733 74954 25699 43174 98385 31568 34213 33793 08577
14357 62936 08979 70439 42060 35623 47418 23055 68530 50811
77893 32054 61145 83171 63729 73256 000 000

10238/9138/7838 kHz, 26-03/28-03, 2000/2020/2040 UTC

218 218 218 1 2530 41 2530 41
87452 08826 37932 90694 57387 59721 68577 70848 42957 60863
28579 51680 99944 52887 74683 53598 77375 02970 18053 17103
41298 63237 82561 02855 17072 69206 72437 61277 05722 12495
81159 45252 42802 66113 89687 11690 84419 28244 33019 16819
21269 000 000

18342/16112/13472 kHz, 0200/0220/0240 UTC

18342/16112/13472 kHz, 17-03/24-03, 0200/0220/0240 UTC

314 314 314 1 2044 84 2044 84
76236 54183 22033 59101 41878 09667 87069 00384 00484 03574
47112 36962 96086 33974 70946 84880 93288 32150 10341 26375
75861 01090 82085 95527 26095 87611 34783 62188 87164 61232
98082 09101 60986 94289 38386 23342 33867 07538 40101 08964
51447 89847 47302 99933 47514 00506 15798 93074 61912 20765
49130 41803 81411 89237 82153 26745 65249 84993 44987 88752
88090 35189 17918 87343 69641 72266 96343 13277 19312 38529
63667 46640 34432 30512 33871 64452 62626 37610 00640 49838
06592 36995 73825 71829 000 000

18342 kHz, 24-03, 0200 UTC

116 groups message

13472 kHz, 31-03, 0240 UTC

314 314 314 1 7879 179 7879 179
56430 90351 46059 63892 45015 63909 35008 51564 12965 54441
74499 47953 98988 71279 27052 12669 58485 77325 46789 61296
57584 31136 68273 41330 14453 66087 24473 35231 29379 57536
94878 28293 15903 89974 56046 85298 07666 59651 79567 98555
01774 87866 98335 40746 88676 64203 81670 16726 77093 67734
33193 56478 34550 59414 23135 05361 65450 32388 56069 06919
64123 88918 49175 67234 35216 69513 31488 22043 98448 79106
28067 72391 03945 33369 21162 00060 03412 14263 42239 78628
36094 55467 99065 22202 54602 68618 73448 01409 21219 22018
94693 63720 20737 23456 36094 52811 85577 84530 84300 50671
37479 36956 28663 80827 07595 47522 27806 84927 61462 17868
31537 15907 49389 37665 80984 81450 26122 46285 82209 53676
58010 97944 04311 77450 00472 04369 81896 77636 11484 79046
38702 09665 93968 07007 57331 30299 24150 44779 33120 16234
24833 16463 85572 44787 28088 57704 19788 60961 31674 63943
20361 33410 58534 85517 41723 49320 01794 32017 94613 65100
43564 42111 44923 51334 81234 14913 28332 36662 18572 99204
22625 57636 34983 81298 44459 67023 63496 49802 84607 000 000

Pacific schedules

12211/10243 kHz. 31-03, 0500/0520 UTC

952 701 701 57 57 = =
57145 70055 71000 43064 91951 63642 05351 90149 20372 52235
88502 45433 87270 03505 50489 92448 52194 99519 98405 25438
55174 59566 99266 07378 25618 78303 39519 11304 07685 46432
97158 24628 00618 46077 87375 21128 37445 38060 67676 30306
50503 83259 13415 58784 97212 65229 99668 43460 44540 06290
50408 41065 35600 94245 40877 83853 86812
= = 701 701 57 57 00000

Exercises / tests

9463 kHz, 03-03, 1050 UTC. Two series of fast beeps**9463 kHz, 03-03, 1105 UTC**

801 (R2m45s) 801 [1m14s silence]
801 (R1m30s) 297 297 53 53 = =
79795 22525 50963 88616 86737 14349 01010 20410 87634 99870
90757 64455 07894 18025 49312 [38s silence]
1 801 (R1m)
86737 14349 01016 20410 87634 99870 90757 64455 07894 18025
49312 13615 23030 77409 49813 59314 93956 76514 29321 84872
02383 24446 11177 71039 47241 66826 53241 30922 88093 46547
70447 16501 46439 54088 05106 63911 00874 47062 43400 69681
37041 43692 01520 [28s silence]
8 [27s silence]
801 (R1m10s)
54088 05106 63911 00874 47062 43400 69681 37041 43692 01520
15114 38293 19899 29846 81007 28023
= = 297 297 53 53 00000

Recomposed message

801 297 297 53 53 = =
79795 22525 50963 88616 86737 14349 01010 20410 87634 99870
90757 64455 07894 18025 49312 13615 23030 77409 49813 59314
93956 76514 29321 84872 02383 24446 11177 71039 47241 66826
53241 30922 88093 46547 70447 16501 46439 54088 05106 63911
00874 47062 43400 69681 37041 43692 01520 15114 38293 19899
29846 81007 28023
= = 297 297 53 53 00000

10755 kHz, 04-03, 1456 UTC, FSK 500Hz. Slow reversals then ICW slow beeps**10755 kHz, 04-03, 1500 UTC, CW. Two series of fast beeps****10755 kHz, 04-03, 1515 UTC**

975 (R4m) 143 430 60 60 =
35156 52958 80699 97137 13537 19241 54599 32097 80771 43275
42489 52236 95361 37954 85975 [58s silence]
975 (R2m15s)
80771 43275 42489 52236 95361 37954 85763 24172 63618 75927
28118 43602 25133 35689 39735 24991 44979 81359 09932 33550
17349 99586 25448 45432 10292 42026 76566 47094 06265 46818
58260 09755 18166 37506 58534 99881 85541 22836 51171 11661
80661 45871 35058 32368 79143 55861 87277 76595 74811 01302
22161 50252
= = 143 143 60 60 000 [1m02s silence]
975 00000 (R20s) 975 97 [24s silence]
975 (R1m20s)
87277 76595 74811 01302 22161 50252
= = 143 143 60 60 00000

Recomposed message

975 143 430 60 60 = =
35156 52958 80699 97137 13537 19241 54599 32097 80771 43275
42489 52236 95361 37954 85763 24172 63618 75927 28118 43602
25133 35689 39735 24991 44979 81359 09932 33550 17349 99586
25448 45432 10292 42026 76566 47094 06265 46818 58260 09755
18166 37506 58534 99881 85541 22836 51171 11661 80661 45871
35058 32368 79143 55861 87277 76595 74811 01302 22161 50252
= = 143 143 60 60 00000

11073 kHz, 06-03, 0944 UTC. Slow beeps**11073 kHz, 06-03, 0949 UTC, Two series of fast beeps****11073 kHz, 06-03, 1005 UTC**

352 987 987 60 60 = =
33428 55255 57859 41389 52322 02137 95633 53635 63141 67749
99168 38009 65283 13712 74669 91136 44878 60686 50530 55356
90455 10474 06529 58438 60271 26401 94522 10807 37234 51695
49088 52533 32365 70541 11535 67072 22731 41499 15745 04281
34793 57966 09255 79557 09088 15389 08039 41496 07214 89890
08414 25175 47023 58019 04517 33282 76985 12290 84779 12253
= = 987 987 60 60 00000

10755 kHz, 07-03, 1020 UTC. Slow beeps**10755 kHz, 07-03, 1025 UTC. Two series of fast beeps****10755 kHz, 07-03, 1045 UTC**

975 (R) 630 630 31 31 = =
05531 27710 44991 27018 58732 67613 00586 18484 49063 11910
23467 30802 54783 34107 67183 36755 40074 31450 7467 [15s silence]
9158 3 [28s silence]
9 [26s silence]
975 (R1m)
34107 67183 36755 40074 31450 74673 09618 39158 89297 18894
20005 09280 88730 64626 38667 13454 69093 74913
= = 630 630 31 31
975 (R1m) 421 421 20 20 = =
56733 09829 36700 44053 01019 87831 61824 06451 03040 78875
75547 36639 07052 90348 20355 49749 77250 60981 53649 26527
= = 421 421 20 20 00000

Recomposed message

975 630 630 31 31 = =
05531 27710 44991 27018 58732 67613 00586 18484 49063 11910
23467 30802 54783 34107 67183 36755 40074 31450 74673 09618
39158 89297 18894 20005 09280 88730 64626 38667 13454 69093
74913
= = 630 630 31 31
975 421 421 20 20 = =
56733 09829 36700 44053 01019 87831 61824 06451 03040 78875
75547 36639 07052 90348 20355 49749 77250 60981 53649 26527
= = 421 421 20 20 00000

9463 kHz, 13-03, 1532 UTC. Slow beeps**9463 kHz, 13-03, 1533 UTC**

441 547 547 25 25 = =
52461 52952 15397 92973 80063 63129 39748 50742 60592 92453
17634 50260 91008 46241 52879 17869 88445 23135 35519 54095
29199 61918 81278 19773 96529
= = 547 547 25 25 00000

10755 kHz, 19-03, 1449 UTC. Two series of fast beeps**10755 kHz, 19-03, 1500 UTC. Very fast morse, terrible distorted audio**

975 (4m22s) 318 318 40 40 = = message 318 318 40 40 00000

M14d

9463 kHz, 06-03, 1032 UTC. Slow beeps

9463 kHz, 06-03, 1035 UTC. Two series of fast beeps

9463 kHz, 06-03, 1050 UTC

801 52914 00000

11073 kHz, 07-03, 1129 UTC. Two series of fast beeps

11073 kHz, 07-03, 1150 UTC.

352 13659 (R4m) 089 089 34 34 = =

35138 58245 83490 15326 12829 68358 93036 11366 01673 91246

78061 75638 49912 22584 64275 48378 92188 77943 16334 61833

09551 36566 75437 21978 06741 71554 29048 50860 92708 96179

61175 31789 75278 80991 = [20s silence]

352 13659 (R25s)

352 35 [7s silence]

352 (R1m)

61175 31789 75278 75278 80991

= 089 34 00000

Recomposed message

352 13659 089 089 34 34 = =

35138 58245 83490 15326 12829 68358 93036 11366 01673 91246

78061 75638 49912 22584 64275 48378 92188 77943 16334 61833

09551 36566 75437 21978 06741 71554 29048 50860 92708 96179

61175 31789 75278 75278 80991

= = 089 089 34 34 00000

9463 kHz, 17-03, 0647 UTC. Slow beeps

9463 kHz, 17-03, 0700 UTC. Erratic on/off carrier activity and slow beeps for an hour

9463 kHz, 17-03, 0907 UTC. Two series of slow beeps

9463 kHz, 17-03, 0915 UTC.

801 79452 (R4m) 00000

801 801 801 794 [53s silence]

801 (R20s) [9s silence] 801 [4s silence]

801 801 801 7 [2m26s silence]

801 801 801 00000

801 801 [1s silence]

801 (R20s) 00000

801 8 [1s silence]

801 801 801 00000

801 801 801 00000 8 [1s silence]

801 801 8 801 801

98278 68436 21 [11s silence] 55112

= 576 30 [6s silence]

801 801

55112

= = 576 576 30 30 00000 [1m14s silence]

801 8 [1m05s silence]

801 [6s silence] [three slow beeps] fast pace

M23

10755 kHz, 1203, 1530 UTC

PAUSI TOUT LE GARS DU MONDE EN VOITURES etc. (ended at 1555z)

10755 kHz, 13-03, 1501 UTC

PAUSI TOUT LE GARS DU MONDE EN VOITURES etc. (ended at 1525z)

10755 kHz, 13-03, 1543 UTC

PAUSI TOUT LE GARS DU MONDE EN VOITURES etc. (ended at 1608z)

10755 kHz, 14-03, 1651 UTC, i.p.

VOTRE ENTRE CONTRE DESIR RIDES CONTER RENTE VOTER TENOR etc.

10755 kHz, 16-03, 1508 UTC

55555 05050 55005 05555 00000 55550 00005 05500 05555 55005 00550 50505 etc. (16m32s) S555OO
SALUT LA COMPAGNIE etc (Ended at 1534z)

10755 kHz, 17-03, 1509 UTC

55555 05050 55005 05555 00000 55550 00005 05500 05555 55005 00550 50505 etc. (16m32s) S555OO
SALUT LA COMPAGNIE etc (Ended at 1534z)

10755 kHz, 19-03, 1516 UTC

55555 05050 55005 05555 00000 55550 00005 05500 05555 55005 00550 50505 etc. (16m32s) S555OO
SALUT LA COMPAGNIE etc (Ended at 1544z)

10755 kHz, 20-03, 1515 UTC

55555 05050 55005 05555 00000 55550 00005 05500 05555 55005 00550 50505 etc. (16m40s) S555OO
SALUT LA COMPAGNIE PORTE POINT SORTE ARBRE SUITE GARDE CHIEN SIGNE LIGNE MIEN PARMI SACRE MONDE TIEDE GUIDE METRE
POUCE POULE REVER STADE TRAIN NOTRE VOTRE ENTRE CONTRE DESIR RIDES CONTER RENTE VOTER TENOR Riant DATES VERRE
LOUPE COUPE TERME DIUE DIETE DE MON CASER PRIOR MINE LINGE SINGE CHINE NICHE GRADE SITUE BARRE STORE PITON OPTER
YAWLS AWACS CROWN KAWIS SWAGS WIDGE WAGON WRAPS AWELE KAYAK POEME AIKAI EPODE GESTE HAIKU SLMNE LAMBE KAIKU
RANDO. (Ended at 1542z)

10755 kHz, 21-03, 1519 UTC

55555 05050 55005 05555 00000 55550 00005 05500 05555 55005 00550 50505 etc (16m32s) S555OO
SALUT LA COMPAGNIE etc (Ended at 1544z)

10755 kHz, 22-03, 1513 UTC

55555 05050 55005 05555 00000 55550 00005 05500 05555 55005 00550 50505 etc. (16m11s) S555OO
SALUT LA COMPAGNIE etc. (Ended at 1540z)

10755 kHz, 23-03, 1514 UTC

55555 05050 55005 05555 00000 55550 00005 05500 05555 55005 00550 50505 etc. S555OO
SALUT LA COMPAGNIE etc. (ended at 1540z)

10755 kHz, 24-03, 1520 UTC

55555 05050 55005 05555 00000 55550 00005 05500 05555 55005 00550 50505 etc. S555OO
SALUT LA COMPAGNIE etc. (ended at 1545z)

10755 kHz, 25-03, 1513 UTC

55555 05050 55005 05555 00000 55550 00005 05500 05555 55005 00550 50505 etc. S555OO
SALUT LA COMPAGNIE etc. (ended at 1538z)

10755 kHz, 26-03, 1539 UTC

55555 05050 55005 05555 00000 55550 00005 05500 05555 55005 00550 50505 etc. S555OO
SALUT LA COMPAGNIE etc. (ended at 1605z)

10755 kHz, 27-03, 1528 UTC

55555 05050 55005 05555 00000 55550 00005 05500 05555 55005 00550 50505 etc. S555OO
SALUT LA COMPAGNIE etc. (ended at 1554z)

10755 kHz, 28-03, 1528 UTC

55555 05050 55005 05555 00000 55550 00005 05500 05555 55005 00550 50505 etc. S555OO
SALUT LA COMPAGNIE etc. (ended at 1554z)

10755 kHz, 29-03, 1528 UTC

55555 05050 55005 05555 00000 55550 00005 05500 05555 55005 00550 50505 etc. S555OO
SALUT LA COMPAGNIE etc. (ended at 1554z)

10222 kHz, 30-03, 0728 UTC

55555 05050 55005 05555 00000 55550 00005 05500 05555 55005 00550 50505 etc. S555OO
SALUT LA COMPAGNIE etc. (ended at 0754z)

10755 kHz, 30-03, 1528 UTC

55555 05050 55005 05555 00000 55550 00005 05500 05555 55005 00550 50505 etc. S55500
 SALUT LA COMPAGNIE etc. (ended at 1554z)

10222 kHz, 31-03, 0728 UTC

55555 05050 55005 05555 00000 55550 00005 05500 05555 55005 00550 50505 etc. S55500
 SALUT LA COMPAGNIE etc. (ended at 0754z)

10755 kHz, 31-03, 1528 UTC

55555 05050 55005 05555 00000 55550 00005 05500 05555 55005 00550 50505 etc. S55500
 SALUT LA COMPAGNIE etc. (ended at 1554z)

M51a / M51b

M51b: 6825 kHz, 17-03, 1835 UTC, CW. Non-stop 5-character groups consisting of M51a messages

JKQNH VXBDE EYSUA WBDHR QKALY VCGRY WNDHR QKNWJ AJAOK UJAOK
 QMAUJ YHDGT WVQHA ZUSHL AIKDH 35281 BXNDH QMAJK NBCGD XHETS
 QJSGZ UJGHC ETSCX WBCGZ AUJSK QKLWP 53829 NXBDJ SWBQK LAPMH
 NCJDU YHDIK 16738 NXDHz UJQHW 1764/ NCJDU HQKAZ BXGDJ QKALI
 HNQGB IKJNH XVSHZ QBWNA YTDGS WBQJU AKHDK LQMAP NBXHD YHSJZ
 53803 YHDGX //ZSP JNCGD XHNSJ AUJQL ZUYRT 37264 HBXND KAYSL
 QMAPO CDHZL WNQFG DFXUJ ZJSKA SKWNV CHDUT YHSLK 37208 BXNVJ
 SKALG TGDJH WBQIL AMPKH BCNDH SJAUG BXVQH ZUJAL HNDJT YHSA
 BWNSJ YHDKZ 28563 BXNDH SKAJY HSQKA UJDMP GBCJD XJSUH NWHER

GBXVD QJAUD WNQMA QPLHJ FGCVR QKJHF VXBET SFQGA JKWIR TGQLP
 YHDJZ BWNSJ AUJQK 28765 01753 GBCHS WBSJA WNQJK AIKSL QMAPH
 YUHDJ SJBSF VXHSF QHAUJ WNQKA IKDGV 63784 BGCJD XNSJR SJHQK
 HBCJD WVSJZ 3764/ WNHSF QJHAU RTDGC XMLQI KDHSB XNDGR SHGIM
 KJFHC XNWKZ ZIJAK WKQLA YHDOL 67849 NXKDJ SHWBS IJDGZ WNBCH
 UJDKL WNBCH DFRZS WBWNU ZHSGQ AJHJU 78356 WBXVD QJHND UJDHB
 WCXVS QHAMQ WNHZI JQKAL HNBCH DUJXB VWGDT ZRFSX WNBHU UHFGC
 VXHSD WXCSE ZYHQK WNBHX ZUJAL KNJUH BXHDF 65382 BXNSH JQHBX
 WNBCH FGDHZ WJQKZ HBXKS IAJHF BXNDK SLKWH DYXHR SKZLF

etc.



North Korean embassy Moscow © Google Maps

4735 kHz, 01-03, 0800 UTC

VVV VVV PROMRCh = 01 03 =

1000 1100 1150 1340 1890
1200 1240 1290 1470 2040
1400 1210 1250 1410 1930
1600 1210 1260 1420 1960
1800 1030 1070 1210 1660
2000 0720 0740 0840 1160
2200 0520 0540 0600 0810
0000 0480 0490 0540 0710
0200 0460 0470 0520 0690
0400 0470 0480 0530 0710
0600 0420 0440 0500 0690
0800 0770 0820 0980 1420

= ABV

VVV VVV PROMRCh = 01 03 =

1000 1100 1150 1340 1890
1200 1240 1290 1470 2040
1400 1210 1250 1410 1930
1600 1210 1260 1420 1960
1800 1030 1070 1210 1660
2000 0720 0740 0840 1160
2200 0520 0540 0600 0810
0000 0480 0490 0540 0710
0200 0460 0470 0520 0690
0400 0470 0480 0530 0710
0600 0420 0440 0500 0690
0800 0770 0820 0980 1420

= AR

4735 kHz, 02-03, 0800 UTC

VVV VVV PROMRCh = 02 03 =

1000 1110 1160 1340 1910
1200 1250 1300 1480 2060
1400 1220 1260 1420 1950
1600 1220 1260 1430 1970
1800 1040 1080 1210 1670
2000 0720 0750 0850 1170
2200 0520 0540 0600 0820
0000 0480 0490 0550 0710
0200 0460 0470 0520 0690
0400 0470 0480 0540 0710
0600 0430 0450 0500 0690
0800 0770 0820 0980 1430

= ABV =

VVV VVV PROMRCh = 02 03 =

1000 1110 1160 1340 1910
1200 1250 1300 1480 2060
1400 1220 1260 1420 1950
1600 1220 1260 1430 1970
1800 1040 1080 1210 1670
2000 0720 0750 0850 1170
2200 0520 0540 0600 0820
0000 0480 0490 0550 0710
0200 0460 0470 0520 0690
0400 0470 0480 0540 0710
0600 0430 0450 0500 0690
0800 0770 0820 0980 1430

= AR

4735 kHz, 03-03, 0800 UTC

VVV VVV PROMRCh = 03 03 =

1000 1120 1170 1350 1920
1200 1260 1310 1480 2050
1400 1230 1280 1430 1960
1600 1230 1280 1440 1970
1800 1060 1100 1240 1700
2000 0740 0760 0860 1180
2000 0540 0560 0620 0830
0000 0490 0500 0560 0730
0200 0480 0490 0540 0710
0400 0480 0500 0550 0720
0600 0430 0450 0510 0700
0800 0780 0830 0990 1440

= ABV

VVV VVV PROMRCh = 03 03 =

1000 1120 1170 1350 1920
1200 1260 1310 1480 2050
1400 1230 1280 1430 1960
1600 1230 1280 1440 1970
1800 1060 1100 1240 1700
2000 0740 0760 0860 1180
2000 0540 0560 0620 0830
0000 0490 0500 0560 0730
0200 0480 0490 0540 0710
0400 0480 0500 0550 0720
0600 0430 0450 0510 0700
0800 0780 0830 0990 1440

= AR

4735 kHz, 04-03, 0800 UTC

VVV VVV PROMRCh = 04 03 =

1000 1110 1160 1340 1900
1200 1250 1290 1480 2040
1400 1220 1270 1420 1940
1600 1220 1270 1430 1960
1800 1060 1110 1270 1770
2000 0740 0770 0870 1190
2200 0540 0560 0620 0840
0000 0490 0500 0560 0730
0200 0480 0490 0540 0710
0400 0480 0490 0550 0720
0600 0430 0450 0510 0700
0800 0780 0830 0990 1440

= ABV

VVV VVV PROMRCh = 04 03 =

1000 1110 1160 1340 1900
1200 1250 1290 1480 2040
1400 1220 1270 1420 1940
1600 1220 1270 1430 1960
1800 1060 1110 1270 1770
2000 0740 0770 0870 1190
2200 0540 0560 0620 0840
0000 0490 0500 0560 0730
0200 0480 0490 0540 0710
0400 0480 0490 0550 0720
0600 0430 0450 0510 0700
0800 0780 0830 0990 1440

= AR

4735 kHz, 05-03, 0800 UTC

VVV VVV PROMRCh = 05 03 =

1000 1100 1160 1330 1880
1200 1240 1290 1470 2040
1400 1230 1270 1430 1940
1600 1230 1270 1440 1970
1800 1080 1120 1280 1800
2000 0750 0780 0890 1210
2200 0550 0570 0630 0850
0000 0500 0510 0560 0730
0200 0480 0490 0540 0710
0400 0490 0500 0550 0730
0600 0440 0450 0510 0700
0800 0780 0830 0990 1440

= ABV

VVV VVV PROMRCh = 05 03 =

1000 1100 1160 1330 1880
1200 1240 1290 1470 2040
1400 1230 1270 1430 1940
1600 1230 1270 1440 1970
1800 1080 1120 1280 1800
2000 0750 0780 0890 1210
2200 0550 0570 0630 0850
0000 0500 0510 0560 0730
0200 0480 0490 0540 0710
0400 0490 0500 0550 0730
0600 0440 0450 0510 0700
0800 0780 0830 0990 1440

= AR

4735 kHz, 06-03, 0800 UTC

VVV VVV PROMRCh = 06 03 =

1000 1120 1170 1340 1890
1200 1260 1310 1480 2050
1400 1240 1280 1440 1960
1600 1240 1280 1050 1870
1800 0100 1140 1300 1810
2000 0770 0800 0910 1230
2200 0570 0580 0650 0870
0000 0510 0520 0580 0750
0200 0510 0500 0550 0720
0400 0480 0510 0560 0740
0600 0440 0060 0520 0710
0800 0780 0830 0990 1440

= AR = ABV

VVV VVV PROMRCh = 06 03 =

1000 1120 1170 1340 1890
1200 1260 1310 1480 2050
1400 1240 1280 1440 1960
1600 1240 1280 1050 1870
1800 0100 1140 1300 1810
2000 0770 0800 0910 1230
2200 0570 0580 0650 0870
0000 0510 0520 0580 0750
0200 0510 0500 0550 0720
0400 0480 0510 0560 0740
0600 0440 0060 0520 0710
0800 0780 0830 0990 1440

= AR

4735 kHz, 07-03, 0800 UTC

VVV VVV PROMRCh = 07 03 =

1000 110 1150 1330 1870
1200 1240 1290 1450 2020
1400 1220 1270 1430 1940
1600 1230 1270 1430 1950
1800 1090 1140 1300 1810
2000 0770 0800 0910 1230
2200 0570 0580 0650 0860
0000 0510 0520 0570 0750
0200 0490 0500 0550 0720
0400 0490 0510 0560 0740
0600 0440 0460 0520 0700
0800 0790 0830 0990 1440

= ABV =

VVV VVV PROMRCh = 07 03 =

1000 110 1150 1330 1870
1200 1240 1290 1450 2020
1400 1220 1270 1430 1940
1600 1230 1270 1430 1950
1800 1090 1140 1300 1810
2000 0770 0800 0910 1230
2200 0570 0580 0650 0860
0000 0510 0520 0570 0750
0200 0490 0500 0550 0720
0400 0490 0510 0560 0740
0600 0440 0460 0520 0700
0800 0790 0830 0990 1440

= AR

4735 kHz, 08-03, 0800 UTC

VVV VVV PROMRCh = 08 03 =

1000 1090 1140 1320 1850
1200 1230 1280 1450 2010
1400 1220 1260 1420 1940
1600 1230 1270 1420 1950
1800 1090 1140 1300 1820
2000 0780 0810 0920 1240
2200 0570 0590 0650 0870
0000 0510 0530 0580 0750
0200 0490 0500 0560 0720
0400 0500 0510 0560 0740
0600 0440 0460 0510 0700
0800 0790 0840 0990 1440

= ABV =

VVV VVV PROMRCh = 08 03 =

1000 1090 1140 1320 1850
1200 1230 1280 1450 2010
1400 1220 1260 1420 1940
1600 1230 1270 1420 1950
1800 1090 1140 1300 1820
2000 0780 0810 0920 1240
2200 0570 0590 0650 0870
0000 0510 0530 0580 0750
0200 0490 0500 0560 0720
0400 0500 0510 0560 0740
0600 0440 0460 0510 0700
0800 0790 0840 0990 1440

= AR

4735 kHz, 09-03, 0800 UTC
VVV VVV PROMRCh = 09 03 =
1000 1090 1140 1310 1840
1200 1230 1280 1450 2000
1400 1230 1270 1420 1940
1600 1220 1260 1420 1940
1800 1100 1140 1310 1820
2000 0790 0820 0920 1250
2200 0580 0600 0660 0880
0000 0520 0530 0580 0760
0200 0500 0510 0560 0730
0400 0500 0510 0570 0740
0600 0440 0460 0520 0710
0800 0790 0840 1000 1450
= ABV
VVV VVV PROMRCh = 09 03 =
1000 1090 1140 1310 1840
1200 1230 1280 1450 2000
1400 1230 1270 1420 1940
1600 1220 1260 1420 1940
1800 1100 1140 1310 1820
2000 0790 0820 0920 1250
2000 0580 0600 0660 0880
0000 0520 0530 0580 0760
0200 0500 0510 0560 0730
0400 0500 0510 0570 0740
0600 0440 0460 0520 0710
0800 0790 0840 1000 1450
= AR

13 March

Not Moniored

4735 kHz, 10-03, 0800 UTC
VVV VVV PROMRCh = 10 03 =
1000 1080 1130 1310 1840
1200 1230 1280 1450 2000
1400 1230 1270 1430 1940
1600 1220 1260 1420 1930
1800 1100 1150 1310 1830
2000 0800 0830 0930 1260
2200 0590 0610 0670 0890
0000 0530 0540 0590 0770
0200 0500 0510 0560 0730
0400 0500 0520 0570 0750
0600 0440 0460 0520 0710
0800 0800 0840 1000 1440
= ABV
VVV VVV PROMRCh = 10 03 =
1000 1080 1130 1310 1840
1200 1230 1280 1450 2000
1400 1230 1270 1430 1940
1600 1220 1260 1420 1930
1800 1100 1150 1310 1830
2000 0800 0830 0930 1260
2200 0590 0610 0670 0890
0000 0530 0540 0590 0770
0200 0500 0510 0560 0730
0400 0500 0520 0570 0750
0600 0440 0460 0520 0710
0800 0800 0840 1000 1440
= AR

4735 kHz, 14-03, 0800 UTC
VVV VVV PROMRCh = 14 03 =
1000 1070 1110 1280 1790
1200 1210 1250 1420 1950
1400 1220 1260 1410 1920
1600 1200 1240 1400 1890
1800 1100 1140 1300 1810
2000 0810 0830 0940 1270
2200 0620 0640 0700 0930
0000 0550 0560 0620 0800
0200 0520 0530 0590 0760
0400 0520 0530 0590 0770
0600 0450 0460 0520 0700
0800 0800 0840 1000 1450
= ABV
VVV VVV PROMRCh = 14 03 =
1000 1070 1110 1280 1790
1200 1210 1250 1420 1950
1400 1220 1260 1410 1920
1600 1200 1240 1400 1890
1800 1100 1140 1300 1810
2000 0810 0830 0940 1270
2200 0620 0640 0700 0930
0000 0550 0560 0620 0800
0200 0520 0530 0590 0760
0400 0520 0530 0590 0770
0600 0450 0460 0520 0700
0800 0800 0840 1000 1450
= AR

4735 kHz, 11-03, 0800 UTC
VVV VVV PROMRCh = 11 03 =
1000 1080 1130 1300 1830
1200 1230 1270 1440 1990
1400 1230 1270 1430 1930
1600 1220 1260 1410 1920
1800 1100 1140 1310 1810
2000 0800 0830 0930 1260
2200 0590 0610 0680 0900
0000 0530 0530 0600 0770
0200 0510 0540 0570 0740
0400 0510 0520 0570 0750
0600 0440 0520 0520 0700
0800 0800 0840 1000 1450
= ABV
VVV VVV PROMRCh = 11 03 =
1000 1080 1130 1300 1830
1200 1230 1270 1440 1990
1400 1230 1270 1430 1930
1600 1220 1260 1410 1920
1800 1100 1140 1310 1810
2000 0800 0830 0930 1260
2200 0590 0610 0680 0900
0000 0530 0530 0600 0770
0200 0510 0540 0570 0740
0400 0510 0520 0570 0750
0600 0440 0520 0520 0700
0800 0800 0840 1000 1450
= AB AR

4735 kHz, 15-03, 0800 UTC
VVV VVV PROMRCh = 15 03 =
1000 1060 1100 1270 1780
1200 1200 1240 1410 1930
1400 1220 1260 1410 1910
1600 1200 1240 1390 1890
1800 1090 1140 1300 1800
2000 0810 0840 0940 1270
2200 0630 0640 0710 0940
0000 0560 0570 0630 0810
0200 0530 0540 0590 0760
0400 0520 0530 0590 0770
0600 0440 0460 0520 0700
0800 0800 0840 0990 1440
= ABV
VVV VVV PROMRCh = 15 03 =
1000 1060 1100 1270 1780
1200 1200 1240 1410 1930
1400 1220 1260 1410 1910
1600 1200 1240 1390 1890
1800 1090 1140 1300 1800
2000 0810 0840 0940 1270
2200 0630 0640 0710 0940
0000 0560 0570 0630 0810
0200 0530 0540 0590 0760
0400 0520 0530 0590 0770
0600 0440 0460 0520 0700
0800 0800 0840 0990 1440
= AR

4735 kHz, 12-03, 0800 UTC
VVV VVV PROMRCh = 12 03 =
1000 1070 1120 1290 1810
1200 1210 1260 1430 1970
1400 1220 1260 1410 1930
1600 1210 1250 1400 1900
1800 1100 1140 1300 1800
2000 0800 0830 0930 1260
2200 0600 0620 0680 0910
0000 0540 0550 0600 0780
0200 0510 0520 0570 0740
0400 0510 0520 0580 0760
0600 0440 0460 0520 0700
0800 0800 0840 1000 1440
= ABV =
VVV VVV PROMRCh = 12 03 =
1000 1070 1120 1290 1810
1200 1210 1260 1430 1970
1400 1220 1260 1410 1930
1600 1210 1250 1400 1900
1800 1100 1140 1300 1800
2000 0800 0830 0930 1260
2200 0600 0620 0680 0910
0000 0540 0550 0600 0780
0200 0510 0520 0570 0740
0400 0510 0520 0580 0760
0600 0440 0460 0520 0700
0800 0800 0840 1000 1440
= AR

4735 kHz, 16-03, 0800 UTC
VVV VVV PROMRCh = 16 03 =
1000 1050 1100 1260 1770
1200 1190 1240 1400 1930
1400 1220 1260 1410 1910
1600 1200 1230 1380 1880
1800 1090 1140 1300 1800
2000 0810 0840 0940 1280
2200 0640 0660 0720 0950
0000 0510 0580 0630 0810
0200 0530 0540 0590 0770
0400 0530 0540 0590 0770
0600 0440 0460 0520 0780
0800 0800 0840 1000 1440
= ABV
VVV VVV PROMRCh = 16 03 =
1000 1050 1100 1260 1770
1200 1190 1240 1400 1930
1400 1220 1260 1410 1910
1600 1200 1230 1380 1880
1800 1090 1140 1300 1800
2000 0810 0840 0940 1280
2200 0640 0660 0720 0950
0000 0510 0580 0630 0810
0200 0530 0540 0590 0770
0400 0530 0540 0590 0770
0600 0440 0460 0520 0780
0800 0800 0840 1000 1440
= AR

4735 kHz, 17-03, 0801 UTC

VVV VVV PROMRCh = 17 03 =
 1000 1050 1090 1250 1750
 1200 1190 1230 1390 1910
 1400 1220 1260 1410 1910
 1600 1190 1230 1380 1870
 1800 1090 1140 1290 1800
 2000 0810 0840 0940 1280
 2200 0 6 EEEEE
 2200 0640 0660 0730 0960
 0000 0570 0590 0640 0820
 0200 0540 0550 0600 0770
 0400 0530 0540 0600 0780
 0600 0440 0460 0520 0700
 0800 0800 0840 1000 1440
 = ABV =
 VVV VVV PROMRCh = 17 03 =
 1000 1050 1090 1250 1750
 1200 1190 1230 1390 1910
 1400 1220 1260 1410 1910
 1600 1190 1230 1380 1870
 1800 1090 1140 1290 1800
 2000 0810 0840 0940 1280
 2200 0640 0660 0730 0960
 0000 0570 0590 0640 0820
 0200 0540 0550 0600 0770
 0400 0530 0540 0600 0780
 0600 0440 0460 0520 0700
 0800 0800 0840 1000 1440
 = AR

4735 kHz, 18-03, 0800 UTC

VVV VVV PROMRCh = 18 03 =
 1000 1050 1090 1260 1750
 1200 1200 1240 1400 1910
 1400 1220 1260 1410 1910
 1600 1200 1240 1380 1870
 1800 1090 1140 1300 1800
 2000 0820 0850 0950 1280
 2200 0650 0670 0740 0980
 0000 0580 0590 0650 0830
 0200 0530 0540 0600 0770
 0400 0530 0540 0600 0780
 0600 0440 0460 0520 0700
 0800 0800 0850 1000 1450
 = ABV
 VVV VVV PROMRCh = 18 03 =
 1000 1050 1090 1260 1750
 1200 1200 1240 1400 1910
 1400 1220 1260 1410 1910
 1600 1200 1240 1380 1870
 1800 1090 1140 1300 1800
 2000 0820 0850 0950 1280
 2200 0650 0670 0740 0980
 0000 0580 0590 0650 0830
 0200 0530 0540 0600 0770
 0400 0530 0540 0600 0780
 0600 0440 0460 0520 0700
 0800 0800 0850 1000 1450
 = AR

4735 kHz, 19-03, 0800 UTC

VVV VVV PROMRCh = 19 03 =
 1000 1050 1090 1250 1750
 1200 1190 1240 1400 1910
 1400 1230 1260 1410 1900
 1600 1200 1240 1380 1860
 1800 1100 1140 1300 1790
 2000 0820 0850 0950 1270
 2000 0660 0680 0750 0980
 0000 0590 0600 0660 0850
 0200 0540 0550 0610 0780
 0400 0540 0550 0600 0790
 0600 0450 0460 0520 0700
 0800 0800 0850 1000 1450
 = ABV
 VVV VVV PROMRCh = 19 03 =
 1000 1050 1090 1250 1750
 1200 1190 1240 1400 1910
 1400 1230 1260 1410 1900
 1600 1200 1240 1380 1860
 1800 1100 1140 1300 1790
 2000 0820 0850 0950 1270
 2000 0660 0680 0750 0980
 0000 0590 0600 0660 0850
 0200 0540 0550 0610 0780
 0400 0540 0550 0600 0790
 0600 0450 0460 0520 0700
 0800 0800 0850 1000 1450
 = AR

4735 kHz, 20-03, 0800 UTC

VVV VVV PROMRCh = 20 03 =
 1000 1050 1090 1250 1730
 1200 1190 1240 1390 1900
 1400 1230 1260 1410 1900
 1600 1190 1230 1370 1850
 1800 1100 1140 1300 1790
 2000 0830 0860 0960 1280
 2200 0670 0680 0750 0990
 0000 0590 0610 0660 0850
 0200 0550 0560 0620 0790
 0400 0540 0560 0610 0800
 0600 0450 0460 0520 0700
 0800 0810 0860 1010 1460
 = ABV
 VVV VVV PROMRCh = 20 03 =
 1000 1050 1090 1250 1730
 1200 1190 1240 1390 1900
 1400 1230 1260 1410 1900
 1600 1190 1230 1370 1850
 1800 1100 1140 1300 1790
 2000 0830 0860 0960 1280
 2200 0670 0680 0750 0990
 0000 0590 0610 0660 0850
 0200 0550 0560 0620 0790
 0400 0540 0560 0610 0800
 0600 0450 0460 0520 0700
 0800 0810 0860 1010 1460
 = AR

4735 kHz, 21-03, 0800 UTC

VVV VVV PROMRCh = 21 03 =
 1000 1040 1090 1240 1720
 1200 1190 1230 1380 1890
 1400 1220 1260 1410 1890
 1600 1180 1220 1360 1840
 1800 1100 1140 1300 1790
 2000 0830 0860 0960 1280
 2200 0670 0690 0760 0990
 0000 0600 0610 0670 0860
 0200 0560 0570 0620 0800
 0400 0550 0560 0620 0800
 0600 0450 0470 0520 0700
 0800 0810 0860 1010 1460
 = ABV
 VVV VVV PROMRCh = 21 03 =
 1000 1040 1090 1240 1720
 1200 1190 1230 1380 1890
 1400 1220 1260 1410 1890
 1600 1180 1220 1360 1840
 1800 1100 1140 1300 1790
 2000 0830 0860 0960 1280
 2200 0670 0690 0760 0990
 0000 0600 0610 0670 0860
 0200 0560 0570 0620 0800
 0400 0550 0560 0620 0800
 0600 0450 0470 0520 0700
 0800 0810 0860 1010 1460
 = AR

4735 kHz, 22-03, 0801 UTC

VVV VVV PROMRCh = 22 03 =
 1000 1040 1090 1240 1730
 1200 1190 1230 1380 1880
 1400 1230 1260 1410 1900
 1600 1190 1220 1360 1840
 1800 1100 1140 1300 1790
 2000 0840 0870 0960 1290
 2200 0680 0690 0760 1000
 0000 0600 0620 0670 0870
 0200 0560 0570 0630 0810
 0400 0550 0570 0620 0810
 0600 0450 0460 0520 0710
 0800 0820 0860 1010 1460
 = ABV =
 VVV VVV PROMRCh = 22 03 =
 1000 1040 1090 1240 1730
 1200 1190 1230 1380 1880
 1400 1230 1260 1410 1900
 1600 1190 1220 1360 1840
 1800 1100 1140 1300 1790
 2000 0840 0870 0960 1290
 2200 0680 0690 0760 1000
 0000 0600 0620 0670 0870
 0200 0560 0570 0630 0810
 0400 0550 0570 0620 0810
 0600 0450 0460 0520 0710
 0800 0820 0860 1010 1460
 = AR

4735 kHz, 23-03, 0800 UTC

VVV VVV PROMRCh = 23 03 =
 1000 1050 1090 1250 1740
 1200 1200 1240 1390 1900
 1400 1240 1270 1420 1910
 1600 1190 1230 1370 1840
 1800 1110 1150 1310 1790
 2000 0850 0870 0970 1300
 2200 0690 0710 0780 1020
 0000 0620 0630 0690 0880
 0200 0560 0570 0630 0800
 0400 0550 0570 0620 0810
 0600 0450 0470 0520 0710
 0800 0820 0870 1020 1470
 = ABV
 VVV VVV PROMRCh = 23 03 =
 1000 1050 1090 1250 1740
 1200 1200 1240 1390 1900
 1400 1240 1270 1420 1910
 1600 1190 1230 1370 1840
 1800 1110 1150 1310 1790
 2000 0850 0870 0970 1300
 2200 0690 0710 0780 1020
 0000 0620 0630 0690 0880
 0200 0560 0570 0630 0800
 0400 0550 0570 0620 0810
 0600 0450 0470 0520 0710
 0800 0820 0870 1020 1470
 = AR

4735 kHz, 24-03, 0800 UTC

VVV VVV PROMRCh = 24 03 =
 1000 1060 1100 1260 1740
 1200 1210 1250 1400 1910
 1400 1240 1280 1430 1910
 1600 1200 1240 1380 1850
 1800 1110 1160 1310 1800
 2000 0850 0880 0980 1300
 2200 0700 0710 0780 1020
 0000 0620 0640 0690 0890
 0200 0570 0580 0640 0820
 0400 0560 0570 0630 0810
 0600 0450 0470 0520 0710
 0800 0820 0870 1020 1470
 = ABV
 VVV VVV PROMRCh = 24 03 =
 1000 1060 1100 1260 1740
 1200 1210 1250 1400 1910
 1400 1240 1280 1430 1910
 1600 1200 1240 1380 1850
 1800 1110 1160 1310 1800
 2000 0850 0880 0980 1300
 2200 0700 0710 0780 1020
 0000 0620 0640 0690 0890
 0200 0570 0580 0640 0820
 0400 0560 0570 0630 0810
 0600 0450 0470 0520 0710
 0800 0820 0870 1020 1470
 = AR

4735 kHz, 25-03, 0800 UTC

VVV VVV PROMRCh = 25 03 =
 1000 1060 1100 1260 1740
 1200 1200 1240 1400 1900
 1400 1230 1270 1420 1900
 1600 1190 1230 1370 1840
 1800 1110 1150 1300 1790
 2000 0850 0870 0980 1300
 2200 0700 0710 0780 1020
 0000 0620 0640 0690 0890
 0200 0580 0580 0640 0820
 0400 0560 0570 0620 0810
 0600 0450 0470 0530 0710
 0800 0830 0870 1030 1480
 = ABV

VVV VVV PROMRCh = 25 03 =
 1000 1060 1100 1260 1740
 1200 1200 1240 1400 1900
 1400 1230 1270 1420 1900
 1600 1190 1230 1370 1840
 1800 1110 1150 1300 1790
 2000 0850 0870 0980 1300
 2200 0700 0710 0780 1020
 0000 0620 0640 0690 0890
 0200 0580 0580 0640 0820
 0400 0560 0570 0620 0810
 0600 0450 0470 0530 0710
 0800 0830 0870 1030 1480
 = AR

4735 kHz, 29-03, 0800 UTC

VVV VVV PROMRCh = 29 03 =
 1000 1080 1120 1280 1780
 1200 1210 1250 1410 1910
 1400 1240 1280 1420 1910
 1600 1200 1230 1380 1850
 1800 1130 1170 1320 1800
 2000 0870 0890 0990 1320
 2200 0710 0730 0800 1050
 0000 0650 0660 0720 0920
 0200 0590 0610 0660 0850
 0400 0570 0590 0640 0830
 0600 0460 0480 0540 0720
 0800 0840 0890 1050 1500
 = ABV

VVV VVV PROMRCh = 29 03 =
 1000 1080 1120 1280 1780
 1200 1210 1250 1410 1910
 1400 1240 1280 1420 1910
 1600 1200 1230 1380 1850
 1800 1130 1170 1320 1800
 2000 0870 0890 0990 1320
 2200 0710 0730 0800 1050
 0000 0650 0660 0720 0920
 0200 0590 0610 0660 0850
 0400 0570 0590 0640 0830
 0600 0460 0480 0540 0720
 0800 0840 0890 1050 1500
 = AR

4735 kHz, 26-03, 0800 UTC

VVV VVV PROMRCh = 26 03 =
 1000 1060 1100 1260 1760
 1200 1200 1240 1400 1910
 1400 1240 1270 1420 1910
 1600 1200 1240 1370 1840
 1800 1120 1160 1310 1800
 2000 0850 0880 0980 1310
 2200 0700 0720 0790 1000
 0000 0630 0640 0700 0900
 0200 0580 0590 0640 0820
 0400 0560 0570 0630 0820
 0600 0460 0470 0530 0710
 0800 0830 0880 1030 1480
 = ABV

VVV VVV PROMRCh = 26 03 =
 1000 1060 1100 1260 1760
 1200 1200 1240 1400 1910
 1400 1240 1270 1420 1910
 1600 1200 1240 1370 1840
 1800 1120 1160 1310 1800
 2000 0850 0880 0980 1310
 2200 0700 0720 0790 1000
 0000 0630 0640 0700 0900
 0200 0580 0590 0640 0820
 0400 0560 0570 0630 0820
 0600 0460 0470 0530 0710
 0800 0830 0880 1030 1480
 = AR

4735 kHz, 30-03, 0701 UTC

PROMRCh = 30 03 =
 1000 1080 1120 1280 1780
 1200 1220 1260 1410 1920
 1400 1240 1280 1420 1910
 1600 1200 1230 1370 1840
 1800 1130 1170 1320 1810
 2000 0870 0900 0990 1320
 2200 0720 0740 0810 1050
 0000 0650 0660 0720 0920
 0200 0590 0600 0660 0850
 0400 0570 0590 0640 0830
 0600 0470 0480 0540 0720
 0800 0850 0890 1050 1500
 = ABV =

VVV VVV PROMRCh = 30 03 =
 1000 1080 1120 1280 1780
 1200 1220 1260 1410 1920
 1400 1240 1280 1420 1910
 1600 1200 1230 1370 1840
 1800 1130 1170 1320 1810
 2000 0870 0900 0990 1320
 2200 0720 0740 0810 1050
 0000 0650 0660 0720 0920
 0200 0590 0600 0660 0850
 0400 0570 0590 0640 0830
 0600 0470 0480 0540 0720
 0800 0850 0890 1050 1500
 = AR

4735 kHz, 27-03, 0800 UTC

VVV VVV PROMRCh = 27 03 =
 1000 1140 1180 1340 1860
 1200 1270 1320 1470 2000
 1400 1300 1340 1480 1980
 1600 1240 1280 1420 1910
 1800 1160 1200 1350 1850
 2000 0880 0910 1010 1340
 2200 0730 0750 0820 1070
 0000 0650 0670 0730 0930
 0200 0590 0610 0660 0840
 0400 0570 0590 0640 0830
 0600 0470 0480 0540 0730
 0800 0850 0890 1050 1510
 = ABV

VVV VVV PROMRCh = 27 03 =
 1000 1140 1180 1340 1860
 1200 1270 1320 1470 2000
 1400 1300 1340 1480 1980
 1600 1240 1280 1420 1910
 1800 1160 1200 1350 1850
 2000 0880 0910 1010 1340
 2200 0730 0750 0820 1070
 0000 0650 0670 0730 0930
 0200 0590 0610 0660 0840
 0400 0570 0590 0640 0830
 0600 0470 0480 0540 0730
 0800 0850 0890 1050 1510
 = AR

4735 kHz, 28-03, 0800 UTC

VVV VVV PROMRCh = 28 03 =
 1000 1070 1120 1270 1760
 1200 1210 1250 1410 1920
 1400 1250 1290 1430 1920
 1600 1200 1240 1380 1850
 1800 1130 1170 1310 1800
 2000 0870 0890 0990 1310
 2200 0720 0730 0800 1050
 0000 0650 0660 0720 0920
 0200 0590 0600 0650 0840
 0400 0570 0580 0640 0830
 0600 0460 0480 0530 0720
 0800 0840 0880 1040 1500
 = ABV

VVV VVV PROMRCh = 28 03 =
 1000 1070 1120 1270 1760
 1200 1210 1250 1410 1920
 1400 1250 1290 1430 1920
 1600 1200 1240 1380 1850
 1800 1130 1170 1310 1800
 2000 0870 0890 0990 1310
 2200 0720 0730 0800 1050
 0000 0650 0660 0720 0920
 0200 0590 0600 0650 0840
 0400 0570 0580 0640 0830
 0600 0460 0480 0530 0720
 0800 0840 0880 1040 1500
 = AR

4735 kHz, 31-03, 0700 UTC

VVV VVV PROMRCh = 31 03 =
 1000 1080 1130 1280 1780
 1200 1210 1260 1410 1920
 1400 1240 1280 1420 1910
 1600 1200 1230 1370 1840
 1800 1130 1170 1320 1810
 2000 0870 0900 1000 1320
 2200 0720 0740 0810 1050
 0000 0650 0670 0720 0920
 0200 0600 0610 0660 0850
 0400 0580 0590 0650 0830
 0600 0470 0480 0540 0720
 0800 0850 0890 1050 1500
 = ABV

VVV VVV PROMRCh = 31 03 =
 1000 1080 1130 1280 1780
 1200 1210 1260 1410 1920
 1400 1240 1280 1420 1910
 1600 1200 1230 1370 1840
 1800 1130 1170 1320 1810
 2000 0870 0900 1000 1320
 2200 0720 0740 0810 1050
 0000 0650 0670 0720 0920
 0200 0600 0610 0660 0850
 0400 0580 0590 0650 0830
 0600 0470 0480 0540 0720
 0800 0850 0890 1050 1500
 = AR

DIGITAL MODES

F01

Sporadic schedules

10826/13379/16296 kHz, 26-03, 1100/1110/1120 UTC

04275 24164 64494 90387 65821 39522 91860 34846 32450 86519
00067 84383 57276 65157 14956 65562 87183 75434 10683 04938
48731 90792 38050 22837 15360 37791 70498 98932 40186 16428
34586 80111 70093 26705 30314 92928 31641 42063 57680 37386
98269 15619 16688 13483 23096 67698 80774 94660 53003 77974
03870 51935 81179 66889 36318 01475 30056 00000 +++++ +++++

F01 – FSK 200/500 Mon-Fri schedule

10861/8187/6939 kHz, 03-03, 1015/1025/1035 UTC

70594 54933 27323 28228 79894 60758 36966 98451 38225 74329
43615 71660 34056 52327 77330 06428 76638 97917 13487 52355
52615 12551 75523 82577 82338 46299 30378 89665 93078 32663
06275 93325 51322 18793 87566 33370 21331 27051 66317 46365
42165 08866 55310 49416 40347 76805 92162 79519 20359 25810
89251 61910 00156 79526 09120 05864 83894 22674 70062 51363
89047 05381 11573 15092 70104 30441 74344 09178 06039 59404
74503 31129 43739 98462 76776 48397 14577 50054 96262 26006
66310 41132 83512 70690 77508 64021 72594 89969 46676 90820
96831 89600 73285 47274 01911 57854 72874 57052 11035 10034
93427 92374 21816 91696 25209 91934 39595 63999 21234 32025
76875 19607 70586 61841 73554 02609 91740 38873 17645 30878
38103 25337 71172 44309 32938 31574 30938 27363 75881 17363
78826 79382 88223 87084 01357 31083 89150 39661 83157 30685
20121 59226 04058 48102 59589 57455 94470 70639 95234 03486
28780 88636 45907 02384 61383 94477 50463 08071 35117 43430
65684 81675 16720 49731 40463 31216 39041 16366 58452 93582
54668 21976 66352 44733 30677 13335 30035 49056 39170 76823
85681 83822 23321 87353 78132 99680 43574 58162 03634 03122
33722 39931 99155 71851 21531 42650 45494 39014 93598 78685
76314 07202 09145 50458 10357 78182 92414 31212 48954 09289
58373 12262 06087 32410 51403 15201 63136 96514 01669 92479
65531 19644 28841 64801 03482 61316 47883 68772 43978 51289
56567 13243 06252 35587 09417 67780 97871 25771 07765 31701
53686 62358 60611 57116 44769 28339 95973 24411 49587 73732
27403 93607 04553 37116 05374 80041 76158 75058 08219 27791
21891 35409 52303 79305 32088 35364 26126 64651 69951 30262
78032 58832 51885 84034 12231 80613 35358 77259 72790 31282
06469 13743 20325 96789 84405 11581 31032 61712 84997 89627
72786 08465 10518 85308 37969 00200 57962 64725 37726 70844
62959 10979 87338 70699 21519 01650 37388 41043 56797 11387
30426 16172 23074 00519 87795 76328 64112 75644 56342 99939
68120 33136 69651 88612 86458 21483 03545 63315 08325 83424
30486 55195 08573 63806 02612 39459 10865 94096 18055 85754
33342 89497 50264 23502 09010 19594 44989 45591 98005 38474
14641 98910 33962 85260 84690 35117 71623 90990 71820 20106
27940 52776 98484 25603 33783 61194 73597 51328 38514 91832
94013 51163 34560 96931 46502 61756 94196 58066 14890 57007
35732 85798 22077 76873 61270 77237 61592 03924 33239 67451
98398 86085 81881 35659 43613 29026 60890 52154 32851 06588
93371 76876 62859 62744 75331 45590 66149 03482 28866 04596
28298 02069 22250 79911 77614 66141 99105 91868 01859 78419
00000 +++++ +++++

10861/8187/6939 kHz, 04-03, 1015/1025/1035 UTC

57598 12341 80389 94217 65656 31351 12304 54394 51121 89291
93677 12490 62082 68294 18545 30538 43061 37709 42426 04971
45326 74463 27858 12994 52549 60073 73219 75477 88975 90258
04544 34781 02307 58090 35015 70952 38474 96610 21818 04758
50491 91869 75045 60949 08584 02293 98338 90235 03773 45356
65961 79051 00000

67976 51439 13822 85456 39234 96153 95814 69060 33187 84151
19842 73743 01107 55169 76453 86601 25236 29180 84346 70234
39140 51924 36744 88389 24727 23734 64280 14143 21857 91345
12831 12773 11492 07396 59710 16538 58315 87272 16698 33530
23765 18022 93313 57805 85410 98989 18780 72959 23617 18890
46125 66362 61432 98991 86834 96210 68631 57097 49527 78612
65864 72014 81055 86870 89833 53207 33494 80162 05447 45303
05442 03803 75875 22153 31078 28278 26473 50135 15414 19231
63460 25379 39161 55599 33350 14601 81683 38075 34023 54246
35438 55097 13402 87616 10368 98537 16663 44674 51664 46289
67920 80101 00000 +++++ +++++

10861/8187/6939 kHz, 05-03, 1015/1025/1035 UTC

09181 84322 09209 00644 23439 43475 88725 39161 31525 15593
78749 91454 78772 55250 66692 42220 01826 86462 51598 56574
50750 56993 34467 25431 84681 60346 46960 02776 26946 55122
66922 77025 90592 36425 94156 43649 10271 39000 84886 81254
41394 76806 68361 78312 12529 48700 94005 62719 41935 64914
82597 51374 54220 74035 79865 61963 58008 95142 35980 94142
70600 84827 59354 92300 00530 93749 18202 47088 23979 92436
88284 27909 15968 71010 70285 63552 22278 42527 25258 13161
83024 04613 01567 94711 43836 39095 51781 63212 15564 54305
62941 55785 68463 99743 48637 45837 71791 07798 76354 73497
14745 42201 28497 44514 69685 57909 20547 14790 83594 02100
24791 02761 08675 10965 73044 96780 08064 81995 36824 49723
97569 26444 08398 77974 09392 31644 31146 07008 88741 87883
52682 30727 59314 59521 99162 76769 18551 05020 94229 94951
48614 75599 71009 11048 54030 47190 50630 13086 61928 65370
85664 62352 45811 07984 91968 46294 58803 95116 17318 15497
87304 01134 20317 71936 60997 48437 57986 00689 80130 87671
05482 62277 46036 94020 56384 87863 05798 34323 76988 44444
47021 84666 13037 62268 03636 03158 72330 41639 58676 87562
31652 81301 54969 72485 41455 95601 49662 45803 26732 12598
73552 89006 07514 70319 81121 71168 87443 53361 02247 51208
83845 36987 31492 68143 97737 30954 15952 24017 47225 40219
27555 89192 12711 84733 30784 84692 67353 45509 81743 21284
91226 29134 19507 99978 92598 67942 35694 03662 84782 98007
33207 34503 91990 82157 10057 76871 82625 70204 29233 90420
53459 13555 60543 63031 13119 76414 05364 78317 38332 10757
40236 77356 01362 87249 40247 19357 92072 99323 68140 70932
83056 82581 40075 78677 11273 16711 03992 04737 74621 02125
91512 30042 66897 28479 29309 54918 99562 77278 20883 51737
83772 25757 34698 49313 71089 44206 59590 53719 76332 03954
13409 35223 30983 38173 15805 36015 40607 22715 61136 78435
44709 69136 52389 78368 02469 47139 82082 93501 52792 78575
71079 61141 22120 70234 01251 05256 78425 77579 02915 17459
54838 16633 83009 41590 91342 66188 04918 16610 67969 27549
55893 57477 27936 33970 63021 78697 14166 26992 43655 90244
67618 41863 01254 20530 60881 69224 02577 46101 65445 85259
97160 32779 76114 67477 65017 17903 40980 38342 03494 88371
70398 03908 89224 34182 23411 79670 76131 82138 95042 20810
15383 39422 52918 99014 08268 01718 96627 93077 27921 05576
38292 85444 70831 29698 27746 81914 24069 74841 70800 96663
59177 77018 13995 69795 88659 33686 94303 09594 77215 81409
00000 +++++ +++++ +++++

10861/8187/6939 kHz, 06-03, 1015/1025/1035 UTC

52875 38847 32416 21180 06436 49078 15155 89943 11428 09122
36778 35071 72042 36584 43602 54535 85047 24858 25314 85418
54093 58370 09985 72730 02542 20513 22457 55118 70777 23934
54557 09665 08930 17878 20561 22946 00934 52272 96340 80555
80883 03228 65652 92267 27606 89661 21986 95034 48397 35720
99416 01003 87849 58679 30898 82735 22722 87041 57440 12832
28781 38474 36597 00128 30547 12312 23708 89661 69891 76292
24337 18605 54423 82073 00000

91324 27202 49124 26422 51370 93537 42114 51730 48758 79932
97434 75444 54746 06222 07016 95961 30037 94549 49717 23270
78070 04567 11070 96428 26142 07789 98822 80040 01547 37053
33979 38178 94927 72012 22004 09177 28017 46599 33898 29752
67963 89398 51820 81867 55422 32871 58951 60798 38613 52362
78281 87814 30512 20831 90010 15944 31379 90240 82249 02225
83808 35546 14714 44910 52481 22219 00085 09049 45814 83241
32743 88878 21694 16513 19546 80477 44474 38606 92346 63108
85435 55799 06938 12684 83887 38345 58110 95805 11103 08890
65508 83091 00000 +++++

10861/8187/6939 kHz, 07-03, 1015/1025/1035 UTC

00000 +++++ +++++

10861/8187/6939 kHz, 10-03, 1015/1025/1035 UTC

29683 93569 29879 04908 17995 50816 65142 79398 46456 98854
62407 93188 63192 73696 53669 40901 89529 98066 07989 20063
49213 46236 49432 89547 04365 42552 43463 70304 02862 17096
68984 74301 66830 66910 18208 72640 76945 96223 91549 38759
32214 34121 79726 27677 89931 53094 50246 77207 15508 36904
80485 42083 96838 71201 04536 96927 02922 55337 66000 69016
91388 58801 93943 86750 94661 70727 44169 54805 39403 15905
73014 91859 78954 35725 35860 91877 43454 57518 27524 94848
37317 00693 06747 77943 38761 93137 71940 03022 81081 96317
80397 81417 20340 62489 28138 41953 19173 72488 32604 13108
01400 27522 85353 55289 57123 93400 66975 04138 02995 20649
41398 10803 27356 88932 71769 90130 74919 49241 25121 12700
50699 62260 57978 01638 47857 56371 00120 20171 29168 53723
78666 60818 16782 37801 49696 72199 69980 60942 29557 84366
55603 15227 43077 18614 40837 15187 30864 92696 63064 65769
82863 57395 56439 13992 90382 25368 39896 07721 33752 78226
96266 10027 47823 62767 97206 42532 32488 12304 53598 56210
00397 54036 96138 53056 79081 88386 15786 07079 09652 51253
18761 58041 09267 95103 75780 76402 89560 49861 70221 22873
48212 49508 74900 51054 75852 35350 12144 26566 45482 71881
76859 61125 76603 36182 27275 85004 91245 66788 73039 06296
04070 82975 15385 30439 13744 10384 19012 38444 87775 73933
20415 47225 57991 43962 02312 00523 68845 46521 88876 63814
45746 73768 41462 21673 75595 55400 59498 01001 16716 77048
16249 68586 80364 56601 84125 76408 51017 14355 29238 53132
37603 97962 79868 65238 72891 48102 98557 96214 03207 15802
12500 17256 35663 67370 81915 47897 35105 37851 11107 30036
87948 18961 31874 63765 75096 92431 13984 78456 21124 44702
82373 37545 11931 23891 45785 00435 98026 25000 66507 89972
25652 14273 25922 38927 62922 28648 65541 13909 13177 11256
08212 40166 32717 68879 89191 75704 95136 62329 51774 08153
69413 65668 87147 72822 03961 55220 23184 15401 33824 14293
91840 47703 53210 64577 29863 69930 20532 60131 92472 57877
88167 04901 84735 38505 74104 79721 40289 02342 17673 89718
02124 26129 86547 68064 85099 04167 27205 97016 24893 11785
76023 32179 43051 49372 73222 40923 82854 40429 46809 90907
95657 82038 58746 49632 82415 71234 30505 80967 20066 55676

90199 49587 27470 82080 08500 69259 50582 40844 15489 55910
71554 30295 15678 71420 71446 89013 43342 69078 01244 69648
25384 76629 40855 52688 43896 77859 50798 23596 15629 78659
46234 61771 30530 68487 48065 14766 16557 13187 90762 56181
22952 40090 91623 50707 39152 01341 11145 74718 91537 26375
59186 65878 85198 99510 26637 00185 82910 23556 47246 19892
38497 84431 00000 +++++

10861/8187/6939 kHz, 11-03, 1015/1025/1035 UTC

67603 48885 78456 99968 89991 48325 85721 49399 16620 48681
72694 55824 34590 07898 16277 14674 50621 82392 87706 02813
27419 52668 99323 06141 90459 00961 11602 48471 41115 20633
98854 13867 37072 61997 97093 79613 25960 44247 82430 02028
43158 88187 53496 22292 09682 49458 16300 84483 91114 56930
94960 83011 03510 85969 16766 81621 77206 21244 44971 71186
14483 88773 57805 58438 02006 61909 97087 02855 63997 70918
34932 43876 67064 70873 31936 85637 12620 47533 85320 31413
77848 65892 90449 84949 91135 91101 64163 60891 52915 36434
03365 85091 00000

40898 16856 75965 01631 73153 34767 27897 69172 30251 17096
23260 62126 63520 64897 64368 52296 08127 09737 62736 40689
61264 73401 81382 87779 27244 62086 49495 05599 71660 05984
04150 85067 51829 80229 38767 57028 15686 68123 62989 10400
86322 52583 03683 15907 74360 46749 01726 28803 85341 99695
84298 69042 14328 38171 17340 02329 44892 30309 67870 70480
94695 82259 30867 44549 74829 03657 00374 99129 55119 02878
89543 31300 52568 98022 29282 72624 85137 54556 00208 67668
58042 85543 77585 86083 00000 +++++

10861/8187/6939 kHz, 12-03, 1015/1025/1035 UTC

40634 75354 18193 64606 13095 39138 19802 62594 35056 20672
44212 58878 40295 29150 13930 23693 43439 29965 92223 29892
66348 95386 30256 57385 04054 52990 02991 41423 09935 30283
26062 25667 04813 18951 70774 05984 39671 07185 19452 75893
66664 53492 28292 09627 98126 00471 89936 43705 58245 51942
12931 43001 57103 61918 60270 62209 41776 08808 14210 38658
04156 53322 59538 77413 50212 03511 02488 14602 60362 35357
67487 69896 95640 42385 38925 24098 29355 12701 40120 82747
08929 56918 66695 11725 77588 35397 16523 55740 10623 58239
83445 75684 45863 56474 06956 65762 13098 47868 95010 36347
92100 45813 62189 73497 53953 84701 50366 11068 65365 60262
24088 76356 60662 08258 57848 95229 11140 70009 57446 67651
46472 18169 82609 49558 07849 41191 63078 02030 37551 09923
25332 93668 34628 74768 72148 67153 31385 66855 82183 05877
70352 01639 21759 61627 86431 08392 86037 29246 23908 34004
11791 79180 43012 94540 28926 83901 95715 72988 42981 99094
75462 86634 65754 85577 70502 72506 36267 82882 75532 64322
99258 70425 41327 59377 33366 77221 67036 98811 46222 26066
64855 09695 78614 23130 51744 82361 84931 28898 47878 81444
82053 71397 86536 14026 83891 87647 65090 03368 63764 04267
91802 41640 11782 93179 08111 20085 79453 63359 91085 60070
28671 74544 65756 93454 27291 83859 81981 65702 58475 61291
35566 60197 35995 34942 38292 67182 42673 52014 66575 45760
34166 66449 43416 52411 75261 89164 33337 34434 00878 61827
55003 11787 18969 40099 41198 95721 97504 97297 00853 17695
02719 84390 62818 66951 80818 07294 06057 60252 00337 07378
05950 92151 97315 56138 51404 39298 90512 99970 12454 17160
58807 15971 63026 12638 98011 64710 88580 40994 99253 50929
33295 00533 16137 28067 66489 23472 12851 07582 72974 46445
10436 58997 97019 49072 73366 11602 94613 34028 03668 93750
73719 47056 34726 70700 27202 60366 42008 66920 88117 67835
12848 83806 62061 65475 42514 48753 16243 15586 48730 56496

29998 18036 21835 88697 36404 37115 52785 22671 09702 57388
06169 65216 78206 66984 30428 72488 67390 91776 22479 41834
02833 28870 88909 86542 27714 52842 70952 29444 14559 93182
25406 76291 75895 06358 78710 54866 03534 90936 96348 30741
91138 19231 34770 35647 19799 83864 68018 69369 11267 82735
06257 61118 78563 90783 48374 01311 28630 92013 35861 79698
96726 70216 00142 90782 17247 81810 20553 92449 60652 59255
35151 28767 91206 18469 71542 52880 25193 68680 89918 10940
94315 48172 55489 73003 43959 34327 82488 87407

10861/8187/6939 kHz, 13-03, 1015/1025/1035 UTC

43016 65561 34462 65927 13441 03917 55742 11524 95896 81054
28126 18940 20518 42153 25047 68008 24821 41570 27156 81307
93251 34317 48446 98493 47604 21923 34335 10502 36766 94887
42669 08292 99205 38900 43566 25838 96665 97014 99054 82040
42471 04975 08425 51253 72911 41861 30242 17107 35126 63267
16966 88051 00000

36578 02137 16298 95515 41613 86809 34710 50608 71189 00078
02085 63266 66444 01306 58684 26974 30610 60739 01119 26704
73202 24169 24426 43090 99608 04646 99408 32864 82033 80940
83668 77748 72723 07426 89758 19000 45416 65065 58907 19780
75947 08218 13753 22544 97962 86912 88508 93641 94653 49315
60009 72312 12477 54049 28083 66253 07776 47066 18663 60973
62254 82763 08101 35083 28236 94019 92108 98752 89641 40842
47759 97482 49630 92325 61999 48400 80838 21588 25099 01272
99151 18385 12483 41394 46952 49095 03373 76580 96774 18745
09693 75406 11306 14777 13659 48926 20681 37248 37498 93013
02988 45133 93735 33557 78942 73434 89487 41655 56659 00778
83190 11034 87450 72184 17216 14847 18610 06708 74792 84066
54093 89121 00000 +++++ +++++ +++++

10861/8187/6939 kHz, 14-03, 1015/1025/1035 UTC

00000 +++++ +++++

10861/8187/6939 kHz, 17-03, 1015/1025/1035 UTC

88074 90434 54814 62960 76740 45007 78702 11658 37130 84487
28892 52223 16463 05787 69011 73182 84307 66392 09719 18916
93001 55214 06669 98239 14339 44774 65219 26688 44716 85682
56563 25920 95922 29337 74971 28696 13759 89783 90841 62851
91683 80670 79227 12721 71657 88241 28553 81436 49387 66303
59185 02540 26151 64093 06555 74351 74394 23009 48519 15534
09279 03113 81652 65280 83378 25361 76145 76566 46711 40496
64006 75914 39282 60534 40252 88091 08341 13789 81772 49190
67530 09364 13565 56525 40116 22066 77007 28782 53490 33649
79880 74861 77125 91361 32811 94846 21183 69704 01831 61542
37938 46350 31731 56012 93243 28168 19912 55568 00184 88272
45405 97622 32133 00056 82756 67872 57393 79119 55465 86228
62599 69064 08655 88935 57083 32059 05680 30330 75386 30129
78332 52652 20093 08116 85359 97370 12197 14224 58968 56446
41166 19105 43999 86974 31904 19420 59473 37644 70792 36805
37179 60445 58008 48189 17010 06084 78290 08395 03715 26503
07355 50959 14769 32990 96142 78125 74050 83277 00087 75916
30991 96086 45584 15257 09916 16552 50864 25062 19239 80962
43437 48236 75214 54255 41317 16519 19922 38696 90196 05122
38181 77201 73764 53080 03073 99712 39366 60271 04774 86084
06168 97021 42365 43909 48044 87263 83327 24720 68346 51150
20391 27018 08762 18086 80446 59538 59437 46110 65182 63224
62565 08557 28159 15322 26606 33942 17987 64036 93353 10010
42312 67204 25008 87879 32288 33398 03466 47222 12221 88909
58998 08413 04081 19057 70514 02594 21565 57240 04593 35586
33395 20186 85472 06579 00542 12827 13182 67554 17068 51244
72010 34362 09261 77114 96487 85392 72767 62099 87080 08793

52393 25610 92776 84143 94268 14393 02754 09560 25071 17368
14320 10127 37973 14156 69305 88627 90032 80737 76106 04492
40683 00678 59551 91907 86027 55353 05800 53024 68626 91623
94432 87195 67457 90377 34953 42197 97731 84400 49854 98346
75278 98991 71468 21480 25146 13776 44766 45707 39150 69140
53306 71891 12015 65743 10507 92791 10832 30521 83449 80801
57499 47640 41380 99217 28834 77827 46111 22991 04056 14516
26499 79879 14314 50244 04199 47953 73954 51748 62867 70382
98221 67182 78021 73449 37056 13909 49717 98720 79707 20281
05255 85313 09832 19884 64092 63204 15762 21640 82147 43505
85641 04240 17688 16646 42116 08319 85986 94417 96251 24838
94934 56783 25392 03076 78805 89429 04614 26705 72335 22963
46500 31360 92345 09713 28885 62151 19050 99066 15287 94556
94269 97281 97700 90403 00000 +++++ +++++ +++++

10861/8187/6939 kHz, 18-03, 1015/1025/1035 UTC

47881 81550 50597 66931 67130 00817 58032 39608 07919 91307
40786 92677 08728 67471 56332 14652 92845 24441 48767 43178
09331 86586 10330 66380 08446 28435 04735 33277 62498 22632
25760 40465 68033 94652 89525 87272 90310 88931 83901 16542
36000 76107 23483 83254 65045 56069 83568 18174 77620 36489
11579 78688 37117 91533 39354 04062 15114 30435 44773 17251
69247 30617 36118 40505 89939 15055 57638 16917 76899 78565
39735 55115 31358 92704 42222 39297 74956 43974 64082 71771
31233 85007 18169 40219 30651 03438 94283 26837 25088 38129
22746 97450 66202 66616 79406 91095 00000

35393 25866 52143 05475 68688 26763 48169 40478 03907 33053
76612 97637 14330 57803 11086 61400 79101 56271 00602 15479
85022 78653 52086 49170 26892 15522 76274 80565 92313 65607
45411 38846 41911 80646 36222 72844 20901 66960 56563 78067
62936 48465 79204 59355 72188 20786 31180 71386 94572 51182
12141 04188 14090 03956 40149 05860 35182 96032 48353 59695
37083 12416 80976 57878 11060 36181 62060 38955 16516 72711
35401 81258 16870 72867 99113 69479 81161 84755 83263 76573
62318 88808 43998 28177 88018 95853 72625 41743 25088 12848
43067 57561 03372 05983 46133 03868 10016 15846 84039 63216
90093 92101 00000 +++++

10861/8187/6939 kHz, 19-03, 1015/1025/1035 UTC

48917 35523 17575 78158 83698 04501 99044 74565 41790 29048
61284 28484 51038 03946 30900 11484 37041 70922 60267 79081
20527 24319 49580 49693 55849 22309 96713 22740 65285 77129
42124 71855 48817 22749 00941 74128 74091 83415 99460 61318
76246 91523 58226 03978 22279 28233 88865 64426 19661 85276
96897 79508 73879 71400 07676 59072 24581 11874 57666 11112
15029 14492 18248 29503 74542 00531 44213 05279 18612 24076
64171 47373 96376 28170 55025 23779 40159 11211 67727 59051
96728 02045 96480 49094 45000 67185 08600 79173 29835 98601
77186 56090 66656 55510 83840 90447 96540 58602 83563 89956
96493 60162 49072 49711 74580 38487 36680 50377 04619 90074
40957 00230 80097 17993 30343 81966 92030 39882 80904 90258
60417 64023 50428 70945 74011 06909 60030 97842 18071 50760
75471 48072 94785 64413 05372 61874 66071 36036 58500 97822
73410 91081 27343 19394 14433 93949 90121 73818 80925 56765
48454 49150 87946 03731 42858 20508 48754 64478 13262 21401
75205 94862 96732 01098 08350 48636 79590 53967 08873 48442
46108 31727 62096 29551 90984 74540 77212 54803 87767 21901
85451 24169 30426 89236 66855 27381 90253 21173 60352 13068
55290 57400 36828 72830 44454 72067 39859 63696 13563 72658
23824 17392 95439 69265 44053 09865 41292 50227 78726 89507
55544 25032 87189 87492 41310 20465 34385 58692 98706 40896
36091 26593 43183 28679 04635 30649 36055 85579 99798 99522

44433 41176 14573 98634 72741 79177 50471 25470 32991 57573
62079 51077 46027 83589 75530 31195 90907 29347 10594 35445
44622 99196 61063 68028 79321 84639 13136 78364 09267 67791
06467 85107 04663 59315 67582 61982 14573 81761 70350 58871
66116 34264 03185 56589 32104 99513 47679 78800 84335 78956
98348 09483 74714 67155 78177 89413 11398 01247 29653 90084
22135 46428 85975 88504 22020 03429 52128 91310 27809 48882
50505 81639 86018 44544 10772 87185 06977 76307 08653 92893
22019 08929 83331 46711 06014 67417 88154 31849 32416 81026
54321 03982 53016 50772 72246 16831 19590 26436 20297 84555
89632 03963 95562 54407 83358 79221 26381 88067 84157 19039
71281 75122 99698 35464 34036 27098 25862 74189 49527 25498
80696 53068 20085 22290 00579 11672 07017 16266 15767 57814
06989 53717 47542 21992 67960 26869 94111 55666 24366 68500
97472 34334 56206 66198 08426 51323 01769 44674 91910 13240
78639 89586 39868 73024 92705 11305 83805 61536 39835 72050
24262 03609 29916 24857 19348 29521 87951 37782 99562 17813
11891 01812 01060 30386 91881 45893 34567 25829 20647 07534
32128 61899 49650 32404 38874 23110 70754 01386 41991 34338
28061 08490 54093 93423 00000 +++++

10861/8187/6939 kHz, 20-03, 1015/1025/1035 UTC

No transmissions

10861/8187/6939 kHz, 24-03, 1015/1025/1035 UTC

64786 00024 27595 99561 40796 33287 48951 26361 99019 66159
25114 81303 20042 81225 42315 37113 50361 00410 32321 38347
16351 48521 58907 77487 23471 43071 35672 27776 39173 02538
36139 37468 82930 90284 82078 15203 71840 36306 20997 61174
95227 03993 28712 23790 16687 94107 97975 86505 27007 03151
99058 14523 96411 78311 23254 16039 99554 36187 45223 97733
11701 37459 65127 19180 99544 34715 16486 75874 55090 35601
50687 65559 46031 48494 34106 17542 81085 02884 18748 89682
13690 61641 72373 62750 32528 67383 79027 86827 12307 90090
45919 59454 23215 68193 77582 40194 22528 60302 03267 31320
76761 49762 68479 79298 87843 69231 26635 76756 21720 37472
91729 69630 62837 25527 37996 99178 42950 94484 57467 33542
17673 72005 11382 68539 89231 59819 36381 02400 98838 89351
91430 14097 37136 67692 56391 99987 46141 81083 18201 48442
11138 48105 05581 57147 65943 39767 58220 22771 59988 08675
41373 57682 60661 94468 41793 13406 89328 97721 05966 15504
14503 39475 06553 39572 50557 48610 48006 83033 35462 44245
47269 12421 85948 05329 50523 90842 53560 44631 71899 15300
30019 29327 65106 18563 75339 15330 63899 15281 67145 87603
52337 97022 94602 23601 50769 05928 45431 22043 28466 41656
59407 64221 78865 81327 46822 99997 18342 17142 95306 75703
94452 41356 13478 46125 14595 33311 84842 37751 31008 28205
30385 55478 43064 72286 03289 49969 02778 94157 64224 87832
34478 46889 10641 91829 04580 00609 58493 43282 02384 90280
99859 63880 17858 48336 84864 19069 27324 76864 01364 10204
22991 39032 50811 47669 47274 74436 43770 22131 17841 68068
63470 16133 54312 27577 70888 23201 42563 48523 49758 66665
97557 72305 14962 35370 10659 66455 32742 78466 92345 81976
26160 26478 46279 67427 64254 30817 35657 44427 58319 38953
27781 74276 13760 47409 27799 70377 10939 99776 37531 36142
13476 21940 00338 33078 27418 11693 17961 08737 59733 24942
50272 39209 49552 25670 33871 65867 70601 91870 80466 31026
28273 94610 40986 42215 99749 92441 46333 19762 90643 08314
60760 07352 06567 81213 08758 50273 63094 09684 61430 71018
82526 29429 93277 96939 50922 92193 45322 19645 33808 38094
55520 90812 74029 78595 42403 84127 20159 32320 52871 78011
58915 80879 10089 38848 50016 36906 22414 09375 86919 41487
39298 31950 31871 33175 65102 61357 98714 55771 66754 46861

81887 97062 36195 88178 55047 75707 93544 95068 87766 18450
41932 05223 53730 94853 09921 40139 28870 01749 42467 03683
02886 14563 26356 52994 52579 47742 61044 96463 50437 91440
10851 98433 06918 16666 99431 94415 00000 +++++ +++++ +++++

10861/8187/6939 kHz, 25-03, 1015/1025/1035 UTC

00826 67116 63415 59790 94311 46384 10244 02903 37444 13455
70524 68323 81388 01293 69714 61428 18540 74375 17762 44833
01305 66398 16430 68733 62560 26295 08116 08759 73705 52239
64613 03549 01243 18321 39259 09206 47836 23588 30886 12847
88786 18141 33040 72410 39839 85964 66884 74930 17292 89180
21227 30450 76313 03420 48128 43768 38433 98993 87496 31205
44118 47552 19139 74578 91393 58918 65679 29568 46427 77785
94803 30668 37038 95073 00000

59736 09658 33387 32641 06864 67375 40095 95350 59137 86723
48528 04874 87964 59096 62414 88605 49151 32638 43052 30960
29282 37895 06336 02187 08600 95988 32358 50199 38837 01496
48566 60052 59421 97220 72377 10808 00490 83053 24216 84433
46170 26096 46882 06445 56548 64240 92228 22982 71757 20404
61035 43981 46645 69580 07064 07170 89438 25925 41197 42526
02851 42037 96622 41936 51063 37640 40981 63699 01037 99847
46431 26589 11560 22191 53557 73155 68501 74611 90066 06949
89684 21591 30207 33357 47830 96085 00000 +++++

10861/8187/6939 kHz, 26-03, 1015/1025/1035 UTC

51039 74590 01858 52582 37235 36186 37048 35179 36478 28841
08198 58747 35497 40277 99319 45273 28867 41580 31916 07715
83596 53906 17318 05440 85072 21944 42715 68120 25290 98796
14313 05275 19292 71971 06057 43638 60788 85180 87361 59552
52856 35623 28278 98568 74684 51445 05547 99435 70287 79062
57958 64676 70129 35032 64473 44935 81599 02170 43536 29273
09266 74584 97007 58620 90858 81326 47176 04553 59907 43345
40267 80584 70982 43427 14890 78180 48466 13810 58871 44650
44799 71163 02898 45129 19135 53619 24422 75832 72347 39539
60248 20761 99314 52710 51255 69052 44436 83649 67685 35167
71297 81714 88430 49092 82444 97699 32769 08752 50190 81607
67971 11813 44382 65284 41234 09070 68101 84605 09357 46608
37187 20905 64616 88910 64565 66316 80268 40122 35286 42746
24115 05636 83226 29132 13578 61206 05396 76699 10710 21765
74765 16886 80589 27131 37580 91636 61529 86808 06078 60744
20537 51047 82552 65931 92469 00361 75708 56357 26318 70695
95232 05235 87057 56425 35529 72256 86495 58370 84549 91497
41572 69013 18664 89505 83530 12128 69497 63245 66408 78968
73678 72597 48280 28249 41439 27098 43696 42060 04998 71599
70741 54948 32662 00548 41169 98314 19596 55557 67035 27338
91182 85980 82276 22605 79922 77141 02660 83634 61801 75948
72557 56484 63077 68542 71971 62624 73404 89694 82250 21273
26248 68623 33935 82371 32523 40928 85167 12394 78386 81318
04113 00178 23135 36842 53808 74958 58135 65277 02907 53799
12722 08395 10726 60603 18013 54768 60053 83899 64569 71824
36146 65575 14839 11822 75359 37766 56326 21431 31835 50067
06418 09634 35702 54271 04809 53594 41213 38806 54464 47213
88264 30078 97051 22047 25727 02886 33785 95275 70033 67108
27617 24404 97461 22855 47711 73397 93537 01248 42146 19927
08013 33052 49772 58412 88841 12310 87167 78557 93599 47192
71630 24059 01786 15245 66145 61181 76434 65204 57257 11879
48483 32603 01793 31159 22338 61312 03368 33369 26056 48244
04619 97095 54608 53376 06094 03374 79633 42299 47737 86865
24140 53474 13919 04738 25588 07381 47921 52883 35785 99743
86854 84205 31033 46042 52905 08632 30975 69460 61874 79564
49562 49494 34943 96431 26589 73380 24589 78049 13241 57557
90609 86466 10067 31321 87176 05987 80850 99881 46859 07055

90778 29002 72564 49693 42379 18402 73324 06176 07641 56126
04861 07628 79765 71049 00880 44241 92986 25720 06026 73786
83889 16716 46435 18119 92677 74715 98812 52352 27814 81458
44000 97401 00000 +++++ +++++

10861/8187/6939 kHz, 27-03, 1015/1025/1035 UTC

09528 24927 57723 01419 47011 78237 14199 35654 88700 95420
24560 13497 27131 28875 74406 55983 07694 81602 34001 65673
74404 04812 90025 04178 51320 73742 68454 25266 01784 52645
03220 36962 32693 84870 30378 91092 35972 68979 12436 23712
84439 06834 22556 94837 24260 34602 43298 00950 31161 72597
59615 58670 22612 54917 50758 83083 43142 24798 10808 09112
64999 06627 52495 29402 71315 90555 74024 47152 13991 90653
93559 67313 63467 62520 81078 74617 92584 91326 42277 71842
61704 86182 34219 76787 97296 41809 17394 01365 81161 53423
73911 61262 92494 95779 46475 89608 69961 02322 77860 53080
85986 98101 00000

05108 85814 52740 57566 23929 48083 61430 70479 49380 47631
59998 64246 06736 96460 11561 44955 53955 96930 65770 25194
50637 05320 70402 50757 35291 36900 90468 64940 90585 10953
27035 71380 01281 59157 52928 81361 34516 45801 07535 56533
97154 73245 17861 82981 49865 71072 38055 37574 82625 92376
24572 32535 81345 65607 89166 49183 40287 75425 96915 96761
99970 70996 01439 57302 15265 25165 34513 02469 83328 92946
92278 93305 86113 42768 85205 98832
27102 99077 00000 +++++ +++++ +++++

10861/8187/6939 kHz, 28-03, 1015/1025/1035 UTC

00000 +++++ +++++

10861/8187/6939 kHz, 31-03, 1015/1025/1035 UTC

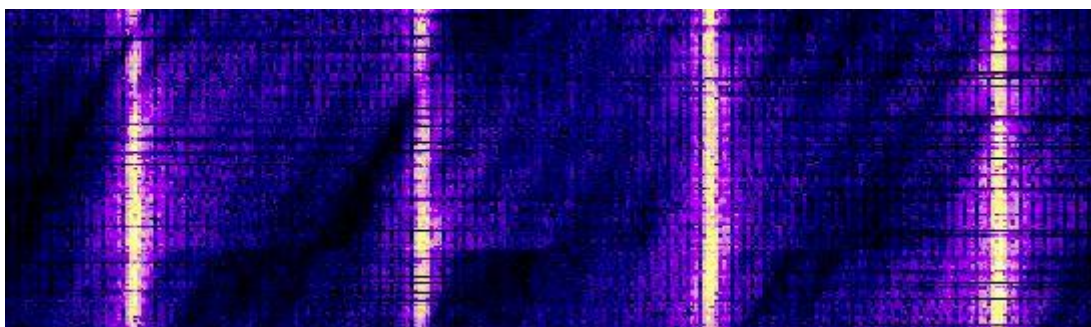
93015 95239 65428 54508 29588 73343 58630 66262 78691 78619
24335 94042 27071 33833 96557 83883 59664 12468 61738 38078
13399 01491 41303 71739 78755 02880 68074 38598 47508 66118
17462 30729 30109 68822 79389 81891 91125 87713 81861 29166
76188 27097 02147 12582 28883 97057 26488 17424 21013 58546
44282 88894 44686 77549 87675 73836 39654 55522 52504 69185
54334 28292 61524 81849 63976 50590 55854 29709 94381 08429
25590 38411 24631 26492 15508 13649 67258 62730 66807 93627
49294 07360 80828 11384 42637 28429 15673 21659 17166 31172
51677 72015 15052 23304 86671 22868 69702 03469 46961 46141
17761 15019 24962 57217 77619 32311 79443 59877 92868 71709
59299 08919 64127 44490 36795 20132 17689 93814 61220 82333
84422 82989 68898 51129 87363 27167 10470 29116 61435 85699
81406 62182 53733 57325 66683 06618 77818 45371 35544 46715
20449 85163 47311 67533 24189 50833 54161 12541 94339 83704
11807 80797 03620 09451 34041 43380 93035 36207 52048 83734
92386 50834 64454 91636 08829 55501 89022 65458 56953 11804
51961 02421 28794 84574 75753 81519 27221 02600 51469 68822
11153 78408 06483 99803 26015 54340 03537 18434 17895 67062
32097 77678 54827 47737 77925 31125 03641 00014 81811 70396
35813 23051 23409 88065 60764 71737 91097 70738 10030 71308
23825 52000 20753 28549 35859 79915 91926 06759 60381 78766
11831 56684 72869 09715 80094 20585 80207 60077 72825 51640
86445 15902 24249 15868 71165 97535 23280 68758 41378 62863
48479 23794 42896 07913 89825 55060 42113 19510 30739 01117
14133 59671 88797 62334 98182 86423 38585 08870 06250 40737
65100 41473 95879 54257 21174 72323 43068 57525 87325 18057
76192 93378 57501 22202 56912 65209 99121 49191 18982 74775
60895 17140 00913 29249 26809 61589 33413 22197 39760 47391
67562 18162 43246 70916 54633 95557 14564 19797 13520 27546
87947 82365 46700 05585 91085 23992 90664 35353 43453 72500

11766 59713 89903 79862 83402 88416 67943 52338 05504 39238
 32142 66265 52219 20219 84106 11686 58787 07712 81457 30982
 83485 99917 24254 44728 05623 50591 42287 81932 45510 12619
 31694 56861 17327 46138 14334 59635 50850 70902 18341 52779
 42956 67566 03317 90919 24857 57590 78586 05811 55987 16440
 87956 23884 80490 99775 59418 08503 07247 87322 43222 44109
 99365 74093 86781 04460 84091 63676 19818 72120 19061 43245
 48204 01429 75837 45009 79932 42093 26675 23769 31656 65631
 45438 05273 89224 61820 58625 85066 20672 97356 07418 82512
 65070 53918 06711 79677 45715 87792 12047 99766 81051 78290
 30408 04799 91797 57109 35776 17210 27699 35838 75432 95060
 62344 73802 77910 15558 29487 53421 98541 01427 00000 +++++
 +++++ +++++

F02 – Russian domestic net

Mode: MFSK-4/150Bd/4000Hz

11168 kHz, 25-03, 1052 UTC	13807 kHz, 26-03, 0827 UTC	12145 kHz, 27-03, 1719 UTC
11168 kHz, 25-03, 1102 UTC	13807 kHz, 26-03, 0840 UTC	
11482 kHz, 25-03, 1203 UTC	15653 kHz, 26-03, 0850 UTC	17490 kHz, 29-03, 1258 UTC Test
17523 kHz, 25-03, 1240 UTC	12155 kHz, 26-03, 0916 UTC	17490 kHz, 29-03, 1310 UTC
16215 kHz, 25-03, 1038 UTC	12155 kHz, 26-03, 0930 UTC (1h txm)	16233 kHz, 29-03, 1322 UTC
16215 kHz, 25-03, 1051 UTC	14678 kHz, 26-03, 1010 UTC (test)	17485 kHz, 29-03, 1330 UTC Test
19431 kHz, 25-03, 1213 UTC (2 channels)	14678 kHz, 26-03, 1020 UTC (test)	17485 kHz, 29-03, 1340 UTC
19431 kHz, 25-03, 1217 UTC	11482 kHz, 26-03, 1200 UTC (1h txm)	13590 kHz, 29-03, 1350 UTC
19431 kHz, 25-03, 1232 UTC	19431 kHz, 26-03, 1212 UTC (test)	
16236 kHz, 25-03, 1052 UTC	19431 kHz, 26-03, 1216 UTC	17490 kHz, 30-03, 1300 UTC
16232 kHz, 25-03, 1024 UTC	19431 kHz, 26-03, 1230 UTC	16233 kHz, 30-03, 1320 UTC
16232 kHz, 25-03, 1045 UTC	17523 kHz, 26-03, 1239 UTC	17485 kHz, 30-03, 1340 UTC
	12155 kHz, 27-03, 0930 UTC (1h txm)	15667 kHz, 31-03, 1152 UTC
17421 kHz, 26-03, 0605 UTC	13392 kHz, 27-03, 0930 UTC	17490 kHz, 31-03, 1311 UTC
16154 kHz, 26-03, 0622 UTC	20875 kHz, 27-03, 1000 UTC	17485 kHz, 31-03, 1322 UTC
16154 kHz, 26-03, 0630 UTC	13392 kHz, 27-03, 1015 UTC	16233 kHz, 31-03, 1322 UTC
12205 kHz, 26-03, 0635 UTC	13884 kHz, 27-03, 1020 UTC	13590 kHz, 31-03, 1332 UTC
14983 kHz, 26-03, 0710 UTC	14815 kHz, 27-03, 1435 UTC	13590 kHz, 31-03, 1352 UTC
13383 kHz, 26-03, 0720 UTC	11540 kHz, 27-03, 1642 UTC	
12155 kHz, 26-03, 0810 UTC (1hr txm)	11540 kHz, 27-03, 1647 UTC	



F06

19629/15828/12176 kHz, 25-03, 1730/1740/1750 UTC Active
 19629/15828/12176 kHz, 26-03, 1730/1740/1750 UTC Too weak to decode

I was unable to determine more about this one, however the same frequency cycle was used on 26-9-2024 for a _KI80038.002 telegram. (PY)

10687/7992/5913 kHz, 01-03, 1700/1710/1720 UTC
13396/11123/9089 kHz, 02-03, 0830/0840/0850 UTC

11100 00000 60512 28011 02079
23487 39572 33003 52123 67236 63849 94452 21711 36945 71527
79985 42408 92212 39878 47319 34607 69059 94284 24811 22303
73471 69737 87676 57917 24270 18906 67114 11671 18727 33984
28276 05197 19375 74496 78025 94076 85451 18237 88416 28995
97398 77551 46839 50187 47876 48134 68751 94881 97711 82531
33955 22417 20227 05545 32341 86717 82391 13706 30047 10829
36217 26032 91959 43181 18849 78233 21503 00284 84791 77562
03651 25537 18688 60502 62097 18834 02118 20467 66528 16664
32824 97714 50923 27377 19829 48651 28834 51326 02856 36721
16573 40551 69515 12059 00243 77700 68675 72108 07565 78884
43465 20378 70415 50140 32342 65534 89028 52194 11662 28008
33801 53211 78195 46315 45626 74232 95018 00267 20700 56956
49223 93260 90741 08589 94877 60850 34560 03420 79680 97758
81902 45834 78747 20548 95533 24426 83954 08113 42464 11925
22298 87200 90285 90597 01683 55129 89536 07843 07602 56910
28043 91630 99119 58948 68167 80504 77624 86505 02905 47819
26756 17136 91768 24900 46972 47249 62392 52825 33182 74017
88797 17496 68877 59798 82256 47706 35209 71261 55687 80883
58443 10417 47530 26189 44232 79717 16024 79676 72139 48438
39837 71186 48853 12504 85979 47661 43538 64972 30941 22580
53742 19339 45987 46191 75312 11205 00000

10687/7992/5913 kHz, 08-03, 1700/1710/1720 UTC
13396/11123/9089 kHz, 09-03, 0830/0840/0850 UTC

11100 00000 95843 07012 01999
54828 58567 89089 36400 49313 34974 90153 32474 61476 44889
35913 95617 16017 47137 72129 87814 63739 75208 38596 44732
41459 80541 04293 45227 88257 57538 11226 24301 79019 55009
50395 46702 61192 03732 18336 83360 05714 14805 27658 57842
08026 28502 70024 55010 00130 18286 55018 09079 59615 79699
73316 13251 26598 58801 57622 18127 64503 99835 39786 11067
25634 16841 27562 93700 07467 18853 49421 99765 10605 43431
40876 20470 34325 78150 70741 29560 70667 74786 30782 25278
82992 85856 37164 31408 79947 78207 17176 24593 20786 03354
79624 80097 12965 29227 92372 53229 87973 63051 15438 38580
66316 20009 63095 74299 47589 17407 93422 83559 86604 99000
48722 70430 41476 19203 95263 12326 04620 41826 35774 16224
52600 33070 93128 30844 75765 53436 88660 31965 73600 78255
63541 23085 26742 01511 16669 18585 81594 02655 57489 01618
08474 81100 97207 73872 19233 88077 26801 39440 55289 10532
55300 89931 82005 86774 06754 83067 50353 58548 99324 31899
11795 89211 54950 46869 97340 02718 13008 97895 96680 23092
46426 88651 98373 19073 03666 60248 76993 83628 25026 66496
38195 03014 06698 87940 57623 95070 11014 76845 74604 21456
46326 50331 26569 03475 64944 73838 35129 12197 00000

10687/7992/5913 kHz, 15-03, 1700/1710/1720 UTC
13396/11123/9089 kHz, 16-03, 0830/0840/0850 UTC

11100 00000 41896 14013 02839
37373 46939 46311 09995 33055 49233 47827 20826 68610 59695
91977 42875 95778 32405 01092 22423 94187 81589 01749 44597
25572 71461 67721 16805 94726 39747 31367 94467 21893 78344
80672 34964 56249 19551 84118 90742 85208 01285 10579 77528
19203 09761 36412 78562 56640 23036 56961 70818 58731 03877
44622 84125 88862 15375 20691 29144 96203 57759 33168 55120
48253 49838 57698 23368 41982 03498 63854 07408 48292 64718
13933 55706 69449 19522 86457 77947 14206 88302 41578 40781
20277 56975 70556 83977 78871 18369 96509 92930 40957 22328

18624 88447 09959 57924 17006 19760 50566 16248 60361 71695
68336 07198 83708 21946 39796 28713 28282 09375 97712 11886
60839 99292 01225 90383 14549 56642 45537 67640 18651 63037
90838 80216 09063 38579 15153 80813 37146 54401 20806 89331
18793 46874 49187 85449 91036 69400 83503 41131 68368 42756
44207 16525 15951 89894 06787 67666 81910 66169 96612 39444
55900 20895 40515 42254 46121 51203 79789 35779 91984 34116
74321 68343 54615 47777 52503 45261 52358 17785 86643 24635
33511 49563 98551 64025 03436 32693 24989 66446 48263 28171
97661 99101 22358 74499 17464 83329 91749 73575 27636 79156
50699 42290 15544 12938 53607 40797 97753 21485 29430 13376
68099 11145 70816 02830 13420 55254 15127 24355 26667 78410
59542 09823 72059 00996 77435 58410 81975 42395 28212 54511
90271 06344 77779 38871 31716 96833 71859 43891 62221 38034
29320 29012 79567 96646 47705 77153 49296 30140 38171 38109
65472 09309 31994 29863 00996 88569 25857 33748 27153 22468
58084 44388 07088 51801 33026 60372 92893 07812 35777 26578
81001 07885 04407 64095 05559 41184 51907 48694 74479 67675
55025 23750 77865 78952 52180 58592 23472 94330 17659 88193
78912 13281 00000

10687/7992/5913 kHz, 22-03, 1700/1710/1720 UTC
13396/11123/9089 kHz, 23-03, 0830/0840/0850 UTC

11100 00000 95340 21014 02239
17685 96765 66157 84638 67602 24894 97061 78264 70219 05215
08979 60024 42915 53319 98300 79040 42123 80444 41592 95067
26259 51886 06425 26410 64065 72468 97466 74109 24304 78751
36256 14593 07733 42660 98115 77958 07303 16229 54622 54100
07517 72149 95088 93848 58890 19803 25478 97319 88438 01472
68210 06655 32143 98409 11269 45349 00329 01467 80077 71346
11882 25954 30552 36087 58261 75426 86797 66707 83225 84088
71858 13565 89227 92493 04983 30289 06398 36234 63817 78532
85070 52309 34992 74625 97779 32853 01515 20299 61663 80914
40421 84693 17217 47975 29117 29812 24335 57894 83848 96623
61570 46966 78737 93998 39557 74779 18825 57661 64527 85558
65550 71350 12868 24693 38116 67375 02649 40117 39160 48756
73055 23250 78193 00124 07679 69168 91218 79592 62583 60705
79981 08761 85098 06170 19291 03057 34274 85352 05842 09597
38930 83536 46976 44753 54239 18171 12825 48614 02792 87913
00269 98530 11056 98724 82152 48925 77200 46698 40182 89566
31196 62314 04967 39482 73132 45815 51611 18704 00712 48370
24322 65038 61820 78738 88451 88036 93157 40103 33422 77363
30814 26767 74964 07746 03777 35404 30116 07697 46279 70544
63399 84186 89927 48989 27642 20466 21560 32836 47855 89220
17762 45803 21616 48242 91976 52551 34398 10808 15157 05665
13274 07955 95882 90015 67435 84836 30895 19162 88968 98349
61972 14221 00000

10687/7992/5913 kHz, 29-03, 1700/1710/1720 UTC
13396/11123/9089 kHz, 30-03, 0830/0840/0850 UTC

11100 00000 25479 28015 01599
48876 78939 66641 52745 49564 31898 93374 67877 91459 66971
68898 07138 00163 93491 21497 95023 88564 02937 18692 94800
76296 84939 41040 46244 22168 08236 80639 26911 74286 89999
81529 22884 67535 01981 64167 19929 23103 86916 01185 50997
29752 83611 36591 61019 11512 84166 65628 74908 11489 71762
17454 79739 46472 12450 07847 57013 12031 99382 54114 25963
42787 72929 69402 83833 57550 65099 78579 54064 44002 41726
22895 78326 62625 40838 45593 13344 74551 30662 75670 18434
23022 35688 51968 44710 23157 04248 54782 61886 39707 16021
37179 83609 57480 52932 73205 77265 74132 81856 65188 69203
70013 22585 77292 81298 34748 99478 87542 59803 55237 00249
75489 82422 94783 90307 87702 54545 18011 56122 48291 30581

41269 76011 06627 21321 13225 41811 39459 73283 55306 79875
49616 30958 16701 44813 28477 17909 23595 84422 74391 97651
27336 99262 84261 00261 81205 45275 60433 25638 00502 52924
00128 59371 85600 61273 59567 62133 12697 15157 00000

9074/7648/5911 kHz, 03-03/04-03, 0800/0810/0820 UTC

11100 00000 31852 28078 00839
34069 36143 36677 62177 88813 67603 64206 58668 04053 00589
77449 88236 77553 40810 64309 62153 99431 82669 90922 56685
53929 36898 33564 41362 04487 74681 93065 19837 41812 86740
83952 44288 99620 80789 15458 89287 67738 65798 06638 96081
57259 96525 02742 23222 97435 76731 85048 64475 69001 44525
91341 19967 03598 88274 89218 31468 04013 66523 69420 17798
64901 30348 51368 71249 98680 71593 18091 00992 96289 45426
22742 34384 77504 40642 33878 12133 10485 96159 11698 38240
05252 78081 00000

9074/7648/5911 kHz, 10-03/11-03, 0800/0810/0820 UTC

11100 00000 16473 07079 02479
63695 70903 87716 74020 33546 80325 30484 40259 97367 15572
52572 05652 27499 24165 95661 73984 94803 95060 52760 26378
60335 85747 47416 36128 43276 30687 19682 17230 57331 92036
23487 30039 32772 38602 65140 92496 66302 63945 37621 70353
65956 79590 30365 44843 83191 44267 19222 81231 49382 15126
66281 46678 58900 31859 84244 50857 65951 69677 45038 07768
87381 22066 37350 42172 28624 99262 02781 89104 74972 53403
05297 59876 15384 66254 13671 73028 90978 60488 01596 73662
85443 20431 95163 89586 99510 33216 22401 97714 76709 86287
44531 99157 72573 82190 73668 26446 84492 56583 06631 31314
84397 10407 29544 26492 21466 92152 72937 79940 87029 91174
22019 84955 58881 27957 11808 54603 67163 52307 61824 13895
49024 85387 30011 88165 84230 66540 90583 11069 28928 90825
65497 00653 89731 48223 64206 76926 05335 00439 11423 19376
27827 56236 67540 87852 20906 31246 71426 55289 17170 03182
60266 25656 01683 98412 46145 35618 13992 70806 54051 63315
85796 58811 50998 92716 56440 31685 20944 06969 33432 60825
65200 09193 90165 77145 33021 94157 18038 00402 12043 19270
75151 51454 33291 48317 98782 83356 70411 66405 73808 92241
37838 89520 74274 93929 17565 17161 20304 77185 69224 01470
17514 69590 03154 31314 71150 76935 21134 54738 92109 82093
54495 88231 37043 14298 54274 86261 49737 24777 13101 69481
95942 29662 23524 35083 08852 06127 02441 97702 87411 52682
36332 34343 14648 49573 26979 31723 88203 80205 42364 59522
80268 99549 02435 17925 69093 79245 00000

9074/7648/5911 kHz, 17-03/18-03, 0800/0810/0820 UTC

11100 00000 48532 14080 01839
73025 11809 27814 98771 35668 93029 80865 33436 29384 30271
43887 00100 57871 35560 19665 00943 48315 01248 27058 90781
52409 48855 63980 85728 58404 33098 46264 51246 00141 30767
70837 11791 73984 69169 76651 49211 99608 73803 01809 82116
85568 39953 60312 43387 85590 57908 86883 98011 56526 46475
23284 68448 53903 74480 44580 59691 26013 74950 48785 01235
92463 81649 58317 48112 18154 42678 06713 08216 18587 90797
09029 88061 57470 75191 39380 74205 22543 84332 64032 92491
90557 14655 03512 12317 17363 64713 22144 88105 14020 59515
68484 55176 94892 34723 15050 22194 08647 35397 70819 27386
88096 08990 64917 50721 79841 97251 24926 99230 39615 56764
98268 07660 04305 62758 90092 21642 76563 75938 16094 55577
82959 76967 93726 42407 91594 98323 20220 17472 00137 08205
10853 03633 30198 26171 95924 89859 88998 75215 99847 20453
84254 99945 50810 37108 03223 05567 94439 40991 91844 97351

09914 67025 94929 25291 51943 87571 43300 63601 67077 87692
98862 79788 57758 79180 93510 72944 92567 45551 22821 85974
86106 35175 80474 21436 96937 44741 44331 15677 17030 60246
50109 80181 00000

9074/7648/5911 kHz, 24-03/25-03, 0800/0810/0820 UTC

11100 00000 78561 21081 01779
53182 48691 28595 13966 65304 45636 96449 76201 27924 99035
80481 59169 44992 36434 32352 65880 30076 93222 41792 83827
89850 23842 61349 52481 80339 76749 49985 25029 34353 25348
96461 29040 83551 72052 08441 55735 23576 67697 78255 32571
95680 13460 61269 58800 83313 37483 27774 08713 47066 63408
74364 32245 46448 12976 05714 07627 21910 09902 22707 25782
35562 77214 77852 11144 94019 45224 83921 08588 01813 12341
86737 91165 18802 25896 38080 68326 20040 75185 29605 99311
81502 13892 73755 41422 40144 54103 42567 87818 01701 99093
00331 74583 94692 07060 91037 61687 94047 03009 66547 17580
62795 80968 66414 62080 85263 63726 85313 47257 90217 12272
89004 80975 87377 02131 64760 22820 65749 08785 17212 07059
27218 69360 45541 72350 53820 12774 62957 02875 32157 75520
44393 10579 83367 45297 13367 13224 72104 99642 03937 87915
92955 31788 58694 04816 57743 80897 48731 70716 32140 08893
26508 37160 95031 91052 47583 52808 19085 12557 22114 64722
95934 88187 82094 98267 54435 47356 75239 70315 45424 51651
21474 15435 91424 37090 92959 81175 00000

9074/7648/5911 kHz, 31-03, 0800/0810/0820 UTC

11100 00000 47359 28082 01079
81695 58438 35665 28171 41528 82297 80319 87489 64742 63408
70737 62245 43539 40971 68916 67375 52378 61184 50357 77921
29149 01849 20834 81618 81829 24410 70367 17506 25319 76884
81590 86518 78141 96097 34699 44989 73689 82679 76175 16993
65712 47246 43458 86479 32728 51219 62766 55133 11054 90703
62255 76881 11128 96871 67685 05012 96827 51289 72801 12820
32457 39623 01611 73731 27108 92156 04735 11829 31057 84573
57038 58735 63912 97414 48710 77773 79187 57680 86993 41358
94972 10990 50739 72535 45430 97747 64990 86633 32757 31750
87767 93937 84334 04671 26245 49346 44743 64865 24517 59927
57317 43925 90131 86337 14948 82105 00000

11100 00000 34820 28083 00639
49117 08987 37450 91468 75778 71839 66936 52431 35239 77458
11908 38124 50221 96559 86456 96628 24181 36724 55035 57896
20327 56265 95510 17777 25512 02403 83801 29961 53664 47194
67284 41759 68462 19662 19160 34674 29940 57536 90958 55696
94693 27083 05385 50250 24401 84420 56674 32752 82322 76780
10661 55690 22479 07159 21741 63185 01197 10766 08914 39960
65694 83061 00000

5913/7992/10687 kHz, 07-03, 1410/1420/1430 UTC

Interruptions in modulation (known test frequency cycle)

11100 00000 89321 07085 02529
76334 79453 83721 77761 83057 68050 25740 03630 94310 49027
29863 98851 35533 41153 22816 36475 44106 67059 71351 93215
93327 16838 18968 26768 47724 68368 06309 71578 10651 69076
98697 70258 50122 08802 69239 82830 13788 38470 10918 40997
69019 14254 76146 39612 29027 71903 67191 82549 50948 60946
25905 25152 16847 93437 96227 80453 33561 86945 57869 81351
12338 06463 54623 15932 14185 34938 65749 78119 71888 27095
93854 00854 24625 26254 67722 63962 26110 48822 83516 93944
12219 66142 32802 97816 39019 38407 90820 98246 27145 80292

63456 62134 73466 63034 16332 39834 15972 82606 34471 57220
62817 48706 85964 27766 21468 74224 88073 76821 88878 69893
99221 95303 88650 73797 85293 64955 66083 70434 33691 22373
77096 79012 13584 54001 31916 15681 05783 39266 79495 59363
50685 84036 43593 75899 87723 11614 46449 80173 84747 03420
80994 40916 80799 06588 17534 57873 90691 50628 55841 66020
44848 40367 58599 46521 62830 17343 27127 49108 83999 06845
05328 55576 03736 92784 22797 39082 88669 87591 13034 98923
69352 89303 67677 75502 33802 43067 12724 75145 70369 49208
17653 59480 33359 85079 73398 79046 29836 32858 00103 55833
51067 30495 70605 44428 97026 87993 60573 26476 67404 36204
61248 18109 17560 00329 15713 95073 02847 15325 64639 65200
59766 25381 12446 42940 97358 34671 49801 05630 97303 01560
93409 36185 46134 93458 29027 81912 48027 44504 68629 84111
91591 83268 57682 58177 69103 22665 93447 28867 71613 29257
40258 50439 08379 14143 52707 66339 24041 12616 42679 88122
85250 00000

12211/10576/8075 kHz, 19-03, 1700/1710/1720 UTC

Active

12211/10576/8075 kHz, 27-03, 1700/1710/1720 UTC

11100 00000 76831 27025 00049 00000 00000 00000 00000

12211/10576/8075 kHz, 28-03, 1700/1710/1720 UTC

11166 00000 72654 27087 00049 00000 00000 00000 00000

Link 00052

17428/15646/12153 kHz, 26-03, 1500/1510/1520 UTC

11166 00052 47361 25022 01119
71825 74625 92783 38309 28291 84901 88510 51126 63280 00261
15879 95582 56467 47258 48326 45122 54735 25896 38973 52858
84642 36173 34700 65675 46190 51531 35509 83574 39377 98528
94514 59671 37645 77165 58603 40850 67552 87442 54331 53667
29100 29360 81697 98123 22287 76356 14147 74220 20556 54994
78234 55399 50463 38713 73961 68216 12011 80629 01330 12674
05197 27628 60335 62212 03466 06266 24423 69948 33373 89983
20151 82765 94919 31900 47517 27223 88106 78897 79965 76761
86374 57535 44054 57939 16283 67812 39782 70757 77829 83170
67148 15215 71016 30169 99596 91310 69284 08806 90242 72489
99191 19083 85969 85306 60739 34441 86778 29764 53926 22109
00000

Link 10020

20985 kHz, 26-03, 1500 UTC

11166 10020 57821 26002 00899
28696 57130 71825 74625 92783 38309 28291 84901 88510 51126
63280 00261 15879 95582 56467 47258 48326 45122 54735 25896
38973 52858 84642 36173 34700 65675 46190 51531 35509 83574
39377 98528 94514 59671 37645 77165 58603 40850 67552 87442
54331 53667 29100 29360 81697 98123 22287 76356 14147 74220
20556 54994 78234 55399 50463 38713 73961 68216 12011 80629
01330 12674 05197 27628 60335 62212 03466 06266 24423 69948
33373 89983 20151 82765 94919 31900 47517 27223 88106 78897
79965 76761 86374 57535 44054 57939 16283 02087 00000

Link 10053

20156/17531/13476 kHz, 02-03, 1520/1540/1550 UTC

11166 10053 13467 02001 00049 00000 00000 00000 00000

20156/17531/13476 kHz, 09-03, 1520/1540/1550 UTC

11166 10053 15984 09001 00049 00000 00000 00000 00000

20156/17531/13476 kHz, 16-03, 1520/1540/1550 UTC

11166 10053 25813 16078 00049 00000 00000 00000 00000

20156/17531/13476 kHz, 23-03, 1520/1540/1550 UTC

11166 10053 74523 23001 00049 00000 00000 00000 00000

20156/17531/13476 kHz, 30-03, 1520/1540/1550 UTC

11166 10053 25813 30078 00049 00000 00000 00000 00000

17455/12211/10173 kHz, 04-03, 1650/1700/1710 UTC

11166 10053 89231 04001 00049 00000 00000 00000 00000

17455/12211/10173 kHz, 11-03, 1650/1700/1710 UTC

11166 10053 96521 11001 00049 00000 00000 00000 00000

17455/12211/10173 kHz, 18-03, 1650/1700/1710 UTC

11166 10053 65874 18001 00049 00000 00000 00000 00000

17455/12211/10173 kHz, 25-03, 1650/1700/1710 UTC

11166 10053 25813 25078 00049 00000 00000 00000 00000

Link 20218

17454/14357/11556 kHz, 26-03, 1600/1610/1620 UTC

11166 20218 75123 26009 00989

35509 83574 39377 98528 94514 59671 37645 77165 58603 40850

67552 87442 54331 53667 29100 29360 81697 98123 22287 76356

14147 74220 20556 54994 78234 55399 50463 38713 73961 68216

12011 80629 01330 12674 05197 27628 60335 62212 03466 06266

24423 69948 33373 89983 20151 82765 94919 31900 47517 27223

88106 78897 79965 76761 86374 57535 44054 57939 16283 67812

39782 70757 77829 83170 67148 15215 71016 30169 99596 91310

69284 08806 90242 72489 99191 19083 85969 85306 60739 34441

86778 29764 53926 81438 45786 79302 52194 60076 09874 87038

82102 70352 05602 99855 43649 85710 09096 00000

Link 60070

11431/8127/7893 kHz, 04-03, 0030/0040/0050 UTC

11166 60070 14785 04001 00049 00000 00000 00000 00000

11431/8127/7893 kHz, 11-03, 0030/0040/0050 UTC

11166 60070 25813 11001 00049 00000 00000 00000 00000

11431/8127/7893 kHz, 18-03, 0030/0040/0050 UTC

11166 60070 12569 18001 00049 00000 00000 00000 00000

11431/8127/7893 kHz, 25-03, 0030/0040/0050 UTC

11166 60070 15984 25001 00049 00000 00000 00000 00000

Link 70059

9174/7384/8148 kHz, 03-03, 0500/0510/0520 UTC

11166 70059 13467 03001 00049 00000 00000 00000 00000

9174/7384/8148 kHz, 17-03, 0500/0510/0520 UTC

11166 70059 85279 17001 00049 00000 00000 00000 00000

Link 70202

10671/8093/6879 kHz, 03-03, 0700/0715/0730 UTC

File 44471 (binary contents)

11428/8026/6884 kHz, 03-03, 1200/1215/1230 UTC

File 44471 (binary contents)

10671/8093/6879 kHz, 04-03, 0700/0710/0720 UTC

11428/8026/6884 kHz, 04-03, 1200/1210/1220 UTC

11166 70202 15478 03072 02239

28496 33378 76441 19316 67996 90467 60898 42007 10345 80957
78467 12400 59695 37995 31781 03099 51316 74129 39617 63141
81150 97858 63380 69163 55393 30272 34077 79002 52278 82727
84462 11190 13259 81511 16047 98746 05770 50392 55661 90747
24758 87035 81257 00063 25176 94196 21628 20734 02609 51640
59750 63424 64245 39717 94423 82358 57361 50539 39897 92215
47509 47693 68173 98392 63609 60417 23674 89091 52116 23205
64961 62657 07455 96734 13187 88601 70919 31105 11981 25768
15211 57280 28441 46050 56812 17699 49933 37124 63372 71981
56369 82616 48314 38671 72672 43154 69820 58951 31100 86725
76408 93267 98110 41805 66282 86800 45485 71658 52625 64724
70358 93285 52050 43187 93872 89424 38378 66949 93128 87061
28933 09623 46128 00879 95550 97447 94385 65090 17473 42530
52910 02085 18333 96505 22237 01323 54404 60541 82191 06935
46308 12620 72089 37436 71365 38058 87037 86017 58784 74173
45045 74833 54859 05055 04621 61735 50386 67368 37546 22882
87463 53133 86505 59668 87885 20408 62278 03406 70293 47826
60160 16195 48292 93919 00317 11429 26710 47154 21741 42358
38186 77640 84524 32167 87283 26428 60106 43982 94303 93344
14203 14269 56002 09304 12098 98038 65377 04024 00987 99310
57737 05091 49056 85267 75217 29315 45994 07537 66947 52301
94602 79040 67048 67182 48227 79849 17647 68457 73657 90478
29098 72221 00000

11166 70202 52370 03073 01139

51957 83738 72617 17576 23731 79013 91452 26305 51369 93321
24352 01405 98938 86726 45243 55563 20082 53491 30689 72831
16287 82178 04140 48660 30798 93972 71303 85499 20369 70168
01322 17399 72022 04750 33421 62054 57029 43004 13752 23733
39273 92119 92086 95510 80199 14678 33069 34264 07540 41002
21698 06864 39983 61295 67742 30979 84999 83488 38769 58964
51994 67761 76464 78242 47975 73650 75957 26630 47940 80701
32804 46042 57144 68590 87341 23015 07461 67650 21100 89478
55004 15753 84937 82227 71212 82472 63615 84509 44578 46471
06477 98195 35204 37048 78930 19939 49382 75779 14426 19785
26383 79202 71595 45660 54630 08463 26267 02168 59470 76881
53025 73111 00000

10671/8093/6879 kHz, 05-03, 0700/0715/0730 UTC

File 44474 (binary contents)

11428/8026/6884 kHz, 05-03, 1200/1215/1230 UTC

File 44474 (binary contents)

10671/8093/6879 kHz, 06-03, 0700/0710/0720 UTC

11428/8026/6884 kHz, 06-03, 1200/1210/1220 UTC

11166 70202 85962 05075 01859

10401 92250 67715 86090 58166 19175 50534 79746 17126 31722
23793 07539 08005 67869 24129 61415 09363 89530 81690 70024
28974 33208 42154 52545 91711 43169 01338 35501 42376 79320

13347 37251 86894 16988 58197 49843 20349 80767 79847 72921
15247 79655 30573 79365 68486 35627 82633 17363 30458 22869
93157 78593 64700 59831 33193 87205 11569 21314 16845 89293
54341 62747 91459 47544 11206 73877 74777 70743 01564 04022
49991 32841 60083 26108 54658 61251 96946 31658 24396 99074
27734 73924 77298 70938 21357 01357 50016 07136 39511 48582
21428 05754 66066 77102 84856 37476 49827 82878 54747 22751
09123 12998 18764 36008 71642 58616 71231 16615 47964 16349
88857 91254 62212 35314 34686 37428 88285 92001 01205 42743
65079 60168 28553 39701 89159 67930 58759 20658 08311 59262
11962 62642 64399 02069 95529 16737 58994 10030 82038 41681
40177 70401 17021 86419 33980 94962 42456 51243 68893 36295
46904 82248 66873 36575 78244 78772 99293 01087 79951 18513
31274 13612 36838 30005 02831 35920 41214 67151 20271 58510
15387 65493 56289 94828 51453 84899 82184 36112 54309 68378
80648 09078 98819 75183 00000

11166 70202 15487 05076 01379
31208 96159 15865 66104 85766 00824 57037 53722 95022 14962
27087 01044 18468 73705 65019 94872 23987 60789 86064 69152
45224 39137 53352 57075 10923 41308 48897 39792 57176 74499
17348 58874 58522 19779 80917 84746 38830 30252 48953 58252
47901 57835 70561 47560 14738 63332 03746 87584 13404 89501
99482 94119 02424 01798 24174 69856 23657 26473 68921 44494
71570 40734 19049 16116 68876 94633 82321 86019 09442 69392
99287 04195 54422 01830 84196 67634 92565 29597 69907 38662
00601 36899 55250 75466 64666 05390 78262 92035 48718 99936
63738 89666 20838 43928 18540 27248 73391 63825 73090 22499
97978 07636 92502 01352 01098 67003 05774 37671 71471 57597
26480 50483 34979 37490 63414 50924 58109 68210 44608 56073
85899 48161 03161 11870 25278 73085 98327 92307 09750 03271
70302 67072 06384 42186 52119 76135 00000

10671/8093/6879 kHz, 07-03, 0700/0710/0720 UTC

11166 70202 24530 07016 00049 00000 00000 00000 00000

10671/8093/6879 kHz, 10-03, 0700/0715/0730 UTC

File 44477 (binary contents)

11428/8026/6884 kHz, 10-03, 1200/1215/1230 UTC

File 44477 (binary contents)

10671/8093/6879 kHz, 11-03, 0700/0710/0720 UTC

11428/8026/6884 kHz, 11-03, 1200/1210/1220 UTC

11166 70202 98245 10078 01819
87250 17595 15458 32677 69250 84311 44637 16600 79296 88173
39448 04788 74014 46185 29230 40500 27485 92675 80326 03954
58350 83633 61527 58318 53523 83960 24071 68455 55648 73566
75883 90856 06537 33253 54735 58208 63731 96318 30024 07020
32414 76823 87847 21759 79822 10453 79069 93929 24386 68916
35062 19524 16746 33816 80808 83295 54865 40930 00056 03283
00399 30842 32216 34030 88531 66849 05676 51924 48453 06109
37236 71115 76667 34922 52340 63430 30322 04141 05798 80724
32743 25588 07682 03126 08369 15466 84090 61581 89255 95662
27455 08167 60368 88917 16090 32583 35811 68763 07674 48285
83216 50192 36329 96668 38460 31989 68019 42777 77894 26651
93921 60931 40291 38853 66483 33751 15677 78377 07837 12988
43255 18459 45268 15613 85592 35478 53421 53596 71262 90933
07932 20814 23137 41644 80172 85522 14510 89105 27795 61840
20234 03948 60766 58659 55072 86431 87578 29455 16442 48904
71322 71390 73736 31182 50310 47192 71422 84768 02937 28208
38087 86866 61469 82096 18643 70100 04447 53583 71843 78915
82385 11718 00344 88558 56463 62080 05445 47608 54889 78179
00000

11166 70202 89521 10079 01839
21473 50262 14096 14941 63814 37685 10949 03659 58462 10265
90758 88333 15351 89130 91468 95191 23104 79876 28431 12876
59381 18039 90537 16876 31788 67408 00518 14765 22795 38355
75334 91919 37092 18365 47614 62417 74823 31972 34045 54796
79145 72271 61693 87366 31529 71197 88159 12761 93255 00767
76526 36409 16548 22459 11028 38628 73763 26934 64372 55008
78085 31268 52670 94793 94169 25891 38897 01935 62154 88429
70824 88506 83497 06621 64363 95172 42066 77504 68255 58395
58912 75064 71052 89063 04181 03521 36309 92239 14586 78450
76947 82706 89887 02931 04714 75995 66815 30885 15666 59604
93859 34827 97640 74065 55392 20186 70631 58567 18534 53400
96003 40824 01215 95969 15510 75855 84863 61650 06016 63392
20161 38986 60889 98579 99302 46349 33993 35661 93200 11705
07205 69350 77056 94249 67412 63559 92765 90151 03923 82176
21563 89546 62211 01587 65365 76995 14967 09614 60244 92589
36347 20579 70457 95881 90402 61160 36495 99841 69597 06735
75558 67018 44362 72907 57924 85092 09619 91889 07618 64016
39225 28440 00849 21918 84249 15038 60630 51968 76051 10982
71034 79181 00000

10671/8093/6879 kHz, 12-03, 0700/0715/0730 UTC File 44480 (binary contents)
11428/8026/6884 kHz, 12-03, 1200/1215/1230 UTC File 44480 (binary contents)

10671/8093/6879 kHz, 13-03, 0700/0710/0720 UTC
11428/8026/6884 kHz, 13-03, 1200/1210/1220 UTC

11166 70202 35128 12081 02059
54380 44389 87968 01988 19905 09659 89573 21358 48766 90488
58653 03033 96635 17843 88090 76738 13684 25261 34040 40509
51384 51638 73563 67615 90904 51909 01815 11243 60263 51581
48464 05368 32439 06060 18051 85257 21636 50689 83945 76038
19867 52452 90613 22768 41071 99273 43869 60450 64925 87858
93802 47424 97558 95993 40074 10577 91345 50271 14253 75801
90968 25154 18903 82155 97938 34327 28084 03143 70760 00269
78975 23560 02929 12991 09297 45353 45946 13862 20213 20911
69544 65482 69422 37239 76302 93519 24106 99448 12848 11459
28423 87001 44827 64200 65247 81145 87828 51442 16835 86979
11456 16785 54095 98579 58730 13498 09172 80639 48016 82882
11005 65043 49646 06169 88573 85820 54447 15887 71498 00919
76347 77649 42699 74226 56251 78279 22787 16291 59372 81222
90881 07164 83211 35185 71547 49814 18364 46931 42522 27540
29350 54175 42943 63830 47651 59513 86740 08099 94139 11324
10900 95737 73090 42580 13273 55921 04964 03512 59626 65606
90145 49046 64618 73158 20830 66981 76388 40045 83231 57808
19444 74030 17326 02142 75536 52318 26291 76676 07223 58065
52837 04623 53773 78716 64637 51550 54143 39593 16003 02579
76679 71169 78037 81854 60249 33485 54425 00247 96487 46115
25051 42212 07843 81203 00000

11166 70202 07469 12082 01199
39917 33113 28913 78901 18287 59920 04032 91469 23709 88514
97302 23665 85689 62307 80144 79445 33261 47720 65995 07600
93458 70339 09807 93033 16463 84365 74064 80562 63339 55054
59731 23416 17307 58834 25580 73641 04489 30783 44340 56579
35064 14159 69098 96618 00774 91669 08388 86401 89711 03167
33410 16679 04331 79450 65821 08990 93619 46881 19526 18371
35369 82472 94901 98263 29476 24167 48921 44821 88222 65969
89569 62794 34464 92632 68031 20191 43661 33583 67061 83886
90699 40773 08988 53387 87437 20141 31780 34917 21903 71375
06618 23028 35097 15673 95408 81920 96331 16161 71679 43650
63032 20692 53280 65425 35962 81686 20356 13169 45784 32713
16992 63538 31916 26494 60002 41591 99600 82117 00000

10671/8093/6879 kHz, 14-03, 0700/0710/0720 UTC
11166 70202 56821 14036 00049 00000 00000 00000 00000

10671/8093/6879 kHz, 17-03, 0700/0715/0730 UTC File 44483 (binary contents)
11428/8026/6884 kHz, 17-03, 1200/1215/1230 UTC File 44483 (binary contents)

10671/8093/6879 kHz, 18-03, 0700/0710/0720 UTC
11428/8026/6884 kHz, 18-03, 1200/1210/1220 UTC
11166 70202 28516 17084 02659

08061 81406 33923 50087 46996 77810 17462 39733 76745 43033
70392 60647 73471 41652 09432 40537 71302 97215 91840 38345
03098 39815 72060 21162 53811 16652 73282 15866 87387 70280
97407 52638 33135 14208 21816 42575 42505 60553 56393 56562
52222 79439 59245 97605 14699 94810 34545 83811 81667 46366
60943 84192 51982 72295 23987 74501 19510 92495 50972 05262
82062 96972 71684 99199 97293 69097 53448 20260 96518 98420
83934 81382 92367 62723 00159 83246 41235 83985 87108 01151
46444 87984 94432 62229 13076 22175 44645 80187 90398 11573
31254 39745 62820 57307 30290 47970 75331 07537 73630 94701
04339 55414 57593 89232 09865 43799 85211 65459 30021 81383
65644 72671 03706 99938 19153 94169 32462 07361 61072 60913
17441 16205 63237 52361 32386 52396 16279 01722 18601 73800
41239 47773 12827 53347 23939 00460 43959 06396 70542 12444
59561 67019 07740 73799 68088 42909 76008 72043 07784 03573
89369 84683 78164 81526 60091 96466 95041 91162 11767 58536
55021 94976 29209 31660 20409 71846 18605 80726 60458 67053
76354 12713 09920 28725 90040 75274 30791 60391 19968 58192
88247 44344 34702 64816 76657 15484 99052 45731 56635 90342
37933 11811 89072 80965 24541 68858 77071 48351 66285 41008
51734 75125 86912 75092 62726 62140 28258 43150 59575 78689
20062 85269 74623 21020 91294 59942 43573 58837 21415 94135
24577 74483 55020 50254 01796 24478 28296 52180 84367 78112
80736 37589 36718 12777 50545 28721 01171 70721 77165 38791
98764 06923 59385 56241 19242 82757 42436 74003 36124 85156
32540 55975 07839 75946 62331 57886 50798 01041 55600 44746
95406 14195 64780 84263 00000

11166 70202 91852 17085 01099
01775 34843 32116 54428 52205 29516 69946 25186 10398 24438
74002 41031 09144 24253 45990 77947 40638 26342 29830 15580
78279 48558 44055 67944 73955 34391 01400 50167 35499 59017
32802 67199 14013 84664 57974 35443 55743 38732 69744 73225
98192 13101 24364 21052 15156 08070 54951 77589 40373 69366
50266 62306 24482 91650 66014 40709 04953 86970 60845 73118
93713 41589 74257 72911 12120 09633 88572 85181 27992 16991
42195 21737 74380 73904 86311 13396 54756 19692 02249 65493
64327 48030 21653 27553 82137 86249 16700 13061 13669 27065
52501 30262 88610 36187 18910 09947 43496 84248 83910 41130
43891 76486 35773 50591 25814 78615 06171 85107 00000

10671/8093/6879 kHz, 19-03, 0700/0715/0730 UTC File 44486 (binary contents)
11428/8026/6884 kHz, 19-03, 1200/1215/1230 UTC File 44486 (binary contents)

10671/8093/6879 kHz, 20-03, 0700/0710/0720 UTC
11428/8026/6884 kHz, 20-03, 1200/1210/1220 UTC
11166 70202 95483 19087 01979

52561 60500 47394 57615 11351 37425 01105 42622 73620 09848
43105 24598 06172 99936 00019 90647 89428 09293 52300 80223
81565 08358 24974 57580 74533 85276 75735 71044 84163 65183
35114 72543 41547 35827 78357 95816 77863 40488 33757 16767
19862 24115 57077 44368 38167 43615 26788 15580 15610 78258
39791 92711 27763 01100 12312 86649 52871 97380 15661 54417
53366 40848 01548 44477 96141 63907 96628 88227 03802 82572

70981 61135 54036 62128 10196 61922 69341 34466 45761 83266
64253 03000 23445 72439 42289 96135 14348 05322 59786 55198
98315 22240 98817 67779 74411 99051 16384 82425 78120 51925
62053 65616 09982 99249 81258 86963 05330 29106 46413 43569
99844 45747 83054 59481 70584 93516 83190 21189 57192 81649
23048 35085 92974 58385 27392 17840 00520 07837 47620 55626
31564 68049 45819 93124 55776 93695 01957 38256 28161 11824
86410 93568 89759 44120 65016 50229 81341 94114 28824 05545
74768 22751 65741 89957 51725 60792 16272 14455 84499 31465
80513 74318 98497 81803 68611 70163 21194 46121 11869 32205
47182 90043 76674 58671 74038 08552 48459 04333 88664 76466
77857 80048 08813 74804 06261 49297 09469 41458 12958 32613
88788 19631 51037 55872 53275 87195 00000

11166 70202 14528 19088 01859
62054 40371 08938 52154 72421 31037 17269 73011 93699 27349
73329 50332 87972 49854 05520 29430 73290 21201 64066 21362
79621 39640 57286 28042 93178 94422 97336 14727 37571 65287
66370 84536 65201 73202 39039 34730 57357 74580 22283 99396
56430 16130 98340 08263 78707 92533 81922 16302 81157 74161
27481 83829 80664 96973 47510 11775 49140 31829 27827 61818
32950 75374 50760 16077 70093 29700 62178 56029 03582 62950
43318 65363 14433 68088 73320 86443 22745 61982 93436 85074
30264 92017 08829 03251 02903 42412 88904 04589 16628 57431
52127 42118 15170 23675 46230 03121 52988 78649 59788 10716
21924 37783 26066 86866 84981 57088 05092 06494 65678 73665
54892 97404 66401 91211 27825 65698 14196 02752 52944 51347
57445 67749 90341 43651 61855 85809 68394 11231 79204 34152
39865 26270 87272 61030 17780 87672 24410 52308 77040 72843
67164 13361 32684 72764 24418 33500 30746 90055 46464 25098
12662 04722 72459 54617 39138 37254 64695 07715 84427 63784
03126 55617 36965 62980 38582 14955 67276 99361 28117 18236
49117 72737 00920 37162 44768 88434 28229 25949 90430 28019
95691 76870 42656 88183 00000

10671/8093/6879 kHz, 21-03, 0700/0710/0720 UTC No transmissions.

18305/16311/13914 kHz, 21-03, 1100/1110/1120 kHz. Unscheduled transmissions

11166 70202 20547 20089 01779
95531 77218 06458 85995 22005 76677 63334 88890 32068 20061
21287 62244 08873 14712 49911 93460 61580 42148 10395 31422
24327 96660 67229 38804 86540 80642 83619 62845 15545 61340
24010 41763 57377 18734 12187 88998 26779 39196 18382 22484
22276 34662 73817 31116 27290 91955 36129 95623 83238 81991
54104 06020 45523 83524 05180 42816 58386 01133 04123 14205
09538 82135 06349 66376 50514 62115 54299 09175 93690 93747
40329 24268 21897 38615 84530 48029 71562 26696 50938 46310
75341 13223 50549 23297 75138 87584 04604 31639 41493 13971
66542 76026 60238 08442 26110 27421 72391 82107 44014 90115
78195 05115 90590 88810 41270 71115 86910 67903 53786 66917
71767 20164 48620 76990 42979 87002 69412 77530 46446 97497
34484 99760 11394 38386 55526 67152 55255 72199 97019 36266
06612 45725 87312 95890 19641 55994 17299 04174 78502 65971
87622 68418 15109 87145 90366 97256 88706 71195 36144 79864
00715 77927 62541 71917 43254 11673 84840 92971 04807 43327
74972 64959 81436 60220 79624 46486 67020 11009 13446 42611
20917 37777 88291 94809 36517 89175 00000

10671/8093/6879 kHz, 24-03, 0700/0715/0730 UTC File 44490 (binary contents)

11428/8026/6884 kHz, 24-03, 1200/1215/1230 UTC File 44490 (binary contents)

10671/8093/6879 kHz, 25-03, 0700/0710/0720 UTC

11428/8026/6884 kHz, 25-03, 1200/1210/1220 UTC

11166 70202 36418 24091 01639
54329 33201 65107 41805 83218 65373 03951 22691 04882 79291
98721 08308 20976 45815 91600 23890 04334 37388 61175 19284
63727 70600 29049 70745 96622 88707 66160 81274 34603 07519
15990 65429 11167 73111 76859 29537 06566 04787 10494 83265
49388 21730 69037 43473 79563 76788 57725 16282 02484 45825
75372 68313 88924 46068 99898 23018 00452 81909 11045 43044
45009 41574 67494 84576 92362 93112 80571 34587 04106 53147
51713 66930 57886 26800 65893 78228 70580 42267 58193 89476
50059 28438 95708 24303 30275 09041 41967 99839 69315 11712
96061 91116 15156 15450 23674 54930 68754 84892 22179 24131
99212 64836 87021 08245 90665 33456 71551 61392 25604 37648
57496 03423 34304 58947 78273 05211 65061 83433 62321 74051
54911 74098 88630 00090 05531 69077 71674 49721 93991 54200
17929 16907 73076 83300 21143 68328 40830 44711 88587 43341
84028 97394 15435 94631 25274 25131 49472 80554 28379 82220
13343 45054 41748 29117 76481 46124 84431 81447 93954 18742
04536 91161 00000

11166 70202 59304 24092 01859
20010 80304 45783 29281 32574 29567 99595 12304 99830 38160
62233 14379 07265 23823 48930 19362 87618 92524 75834 14512
84774 76641 44646 82423 57191 70887 16022 36815 00582 64439
63945 63096 94508 92685 28228 49660 02600 57047 07355 20841
81065 86299 58842 07460 75196 37830 99306 15911 08545 62291
21425 81721 94467 80049 69977 18522 24715 42901 44165 98355
14766 79481 18374 24289 10579 47788 98593 81226 86467 43288
56665 75902 88768 36018 09544 01959 05001 35130 35774 91060
63200 04314 46360 35991 91116 76536 52211 96645 89965 41539
95363 24882 02413 04519 36157 69154 79487 39446 13557 44865
76107 85443 20805 81382 29911 59668 63592 81651 03064 85143
92939 55346 91756 56958 29974 11487 33059 95289 24780 21470
63820 58681 16529 88452 11315 16005 87059 84009 20314 00560
25109 38025 46265 94732 43366 92736 69274 18664 15556 56879
08581 21355 25723 20865 42202 97654 46913 18939 61444 79559
91433 49233 14967 75273 99885 87686 22074 54453 61157 56732
59951 03087 80550 34718 54494 96435 38251 16985 29454 63480
05316 64541 93561 41311 09357 01277 70332 42894 67136 45640
00236 86656 26231 92183 00000

10671/8093/6879 kHz, 26-03, 0700/0715/0730 UTC

File 44493 (binary contents)

11428/8026/6884 kHz, 26-03, 1200/1215/1230 UTC

File 44493 (binary contents). Wrong 500Hz shift

10671/8093/6879 kHz, 27-03, 0700/0710/0720 UTC

11428/8026/6884 kHz, 27-03, 1200/1210/1220 UTC

11166 70202 76193 26094 01539
71006 49793 98713 36152 01998 21894 86642 21435 99080 73058
33228 18220 52589 39990 22148 20750 88012 96492 29238 17266
66841 26467 31204 52305 91815 18875 24192 38316 58744 95610
06916 90025 22103 08229 08015 80003 66584 64445 62342 38847
01796 70376 65872 48439 22285 99417 63892 01709 00089 23744
52200 27329 01987 69323 95970 02798 48655 80417 95978 04338
57889 04487 56885 67040 39113 33444 37251 53710 31331 62192
85986 55840 01734 50388 94901 75138 47129 98363 22070 59077
65401 73140 65674 88872 89166 45492 93026 43344 98828 23965
54453 87096 57222 96818 36734 56443 33012 17810 35778 41539
05063 96761 53215 88124 64946 80857 46623 67346 59777 37595
88028 87080 42583 75334 10419 43193 22361 62384 46918 34186
31046 30561 92326 87653 49552 74158 41715 71994 60086 80259
85758 91817 16919 51344 67485 90474 52798 06107 30155 08159
63195 69445 10924 69008 35575 87539 60005 95650 15866 28971
90006 94151 00000

11166 70202 56748 26095 02059
81355 26599 99887 11844 75116 13440 62439 57278 20248 01832
82830 75126 07589 22321 70506 71181 33963 73255 63363 40765
80146 54390 14562 96523 18628 49435 23961 19378 37089 87197
62629 74798 88540 36038 63851 61603 04069 11312 79079 85466
29098 00480 22262 74312 69147 35594 50991 77798 55977 67823
57905 18067 70099 23722 70774 83951 80562 47927 84726 85832
87966 61961 75031 13316 81630 93845 63893 62940 46865 58191
39681 28091 83274 91475 52039 68298 20036 72175 31319 00130
39085 80455 05754 76846 42152 77089 14839 49017 22582 06313
42326 23277 27876 52288 17299 61413 23894 03866 56738 86985
96657 07337 48040 91633 52684 11866 94905 58292 03796 37277
75049 43486 47336 18903 83167 85892 77738 09157 57582 33360
90376 40548 14034 05575 63638 79796 35025 34559 30161 27756
88175 50181 73161 44821 72016 02888 08802 06512 12664 40815
40533 18925 59809 83489 96343 48729 55465 59302 84852 47403
73895 98928 31200 74398 56185 01906 78642 48918 87865 18530
66827 84987 93055 14283 22652 89527 43530 08962 24660 28087
06181 07700 26915 87955 77285 66075 53282 93311 77030 56487
98054 52118 02732 27988 93867 39445 64176 76757 32835 46895
49539 69417 51849 52843 95291 86359 17969 93152 58566 77274
74856 37078 15387 95203 00000

10671/8093/6879 kHz, 28-03, 0700/0710/0720 UTC

11166 70202 35786 27029 00049 00000 00000 00000 00000

10671/8093/6879 kHz, 31-03, 0700/0715/0730 UTC

File 44496 (binary contents)

11428/8026/6884 kHz, 31-03, 1200/1215/1230 UTC

File 44496 (binary contents)

Link 79993

6957/9425/11611 kHz, 17-03, 1120/1130/1140 UTC

11100 **09993** 96521 17001 02529 (1120z, 1130z)

11100 **79993** 96521 17001 02529 (1140z)

02022 12555 24486 92510 59669 81545 00854 69595 12239 34717
91265 09168 71406 55708 15257 90621 17697 39998 89459 68282
53585 29130 42465 64475 62542 74718 78610 07211 91236 18180
20382 60940 97057 97121 84111 23816 28164 14332 68675 89891
28243 30300 61853 99704 83151 65216 94060 27668 51655 21376
94126 79725 47425 61930 26815 99686 64494 06930 16767 07705
63365 32584 88557 19309 59938 84682 77554 18444 84467 42114
91266 82958 02725 91422 25863 85958 16552 98332 67560 21491
85996 87186 33557 27971 40224 64232 32212 07809 69377 45690
47142 66654 14589 76546 74932 20726 98316 51006 71160 45622
62209 70545 84386 65091 04668 00494 82841 03173 35315 11097
03467 48151 88529 13981 78001 01779 63268 29971 15822 12168
81329 49191 48189 13833 81272 69390 63626 23286 90160 23425
89085 63638 40331 31839 96605 16650 23367 41487 40150 25650
98462 36117 52305 97774 97378 29872 55525 78966 93157 79640
67622 00156 24802 77185 06178 18076 95093 07002 21570 99143
83748 80831 13301 19843 43091 84773 09309 82055 68427 99936
12963 66757 60328 82557 47414 74546 20979 14534 52003 26417
51804 60298 10403 23224 44557 90989 15185 87280 83040 61830
98506 34517 97671 53683 83588 50651 40054 14686 36693 69791
69770 62939 24264 78923 70558 36151 04942 96717 38076 99204
11126 00076 06431 45567 99767 96888 05671 53480 77104 68407
67417 82886 26992 29688 20834 23999 97545 81537 46103 33480
25768 52404 77627 19155 04853 53642 74111 59188 23852 96598
97731 66685 34393 44949 69574 35628 24133 00727 93530 29101
01250 00000

The first two, 1120z then 1130z transmissions featured ID 09993 in the header, which would be a strange test ID; the third, 1140z transmission corrected the ID to 79993 instead, which is a much more commonly seen and expected test ID. (PY)

Link 80094

F06a: 20237/17463/13826 kHz, 25-03, 1245/1255/1305 UTC

1255z: Signal was too poor to decode file

File_KI80094.001

11100 80094 14785 25001 02019
30243 02080 56365 59001 31655 34521 82882 00146 15227 16908
93934 33323 82334 16653 04201 94997 05603 23404 69609 78260
92755 62097 21364 46721 74804 27598 07881 87941 91969 08104
80571 86108 75811 89508 84415 18638 50976 57914 39255 06384
05018 42471 22742 72157 99718 65733 90891 87226 22350 93732
97169 10497 00322 02933 96050 50048 27632 06281 41982 01736
76587 05515 19706 44512 93203 61935 66855 97189 99737 02822
74782 66307 52788 05679 78541 39803 30401 27500 71968 06174
46609 71246 08801 03806 16862 06708 75765 30176 22758 87958
48579 65601 49547 34576 66794 91223 94809 68812 88435 05924
71773 25922 10351 71847 55692 79810 65228 43232 46733 51208
31209 58222 47801 90551 15036 98359 80742 52754 94675 45439
89369 06067 32345 90413 02731 42198 93895 74032 57082 79901
35475 63919 99981 79202 43409 97747 24948 08457 38258 47225
10129 31425 78951 82568 59409 06569 27973 42145 69394 15721
63510 36990 70715 64352 49519 44861 17083 20605 99630 73543
20538 85279 95849 98069 56324 09968 47969 01564 85836 05521
04651 74378 71064 08032 52099 51222 78980 94529 61271 90960
99307 65563 69563 28790 24108 36875 07901 55447 62611 07334
09182 03171 89751 95333 59002 43078 51823 60831 74604 23666

F06a: 20237/17463/13826 kHz, 26-03, 1245/1255/1305 UTC

1255z: Signal was too poor to decode file

File: _KI80094.003

11100 80094 23164 26003 02019
06106 94670 03167 74511 03126 68462 45564 03603 83616 93646
22941 36738 25368 06907 32365 02492 62441 09483 09691 03451
99347 56807 71520 94772 47586 59972 16248 58150 39240 72434
51374 07135 97306 60424 39275 84730 67453 80477 78615 39225
40887 12532 63599 89165 23028 22035 88232 13449 27662 49485
87799 27432 01284 50859 34728 31027 07288 37346 31040 39695
24721 87846 64575 34299 41268 32657 21161 90732 45166 31782
69937 75278 45729 96315 64009 16621 77173 26328 23620 90459
65437 63686 94028 77658 62668 83267 95285 81867 79079 70970
06091 17550 66851 61999 48916 04366 35781 37823 68588 28833
05345 05276 21519 59213 22883 06219 17763 24560 02587 31200
83094 93863 64963 35570 33297 16227 81487 81461 77840 08024
54111 54096 95147 97953 84321 25836 46619 65957 11449 66435
21631 36910 24880 22919 30662 15040 79907 17519 88762 70002
71864 37127 56536 10563 48250 12682 30837 06798 63540 11934
02351 46788 06345 94033 22269 38705 53633 99363 45223 94254
31685 73073 40679 54405 88476 45734 89982 43331 07170 19562
11225 61530 15412 33649 79138 54021 70119 06631 32193 14593
22436 80238 84087 12017 92555 12158 81829 49168 09099 91653
77575 91005 92720 76377 06432 22321 88652 73806 87406 21225

Link 80214

20219/19353/14375 kHz, 06-03, 1330/1340/1350 UTC

11166 80214 97512 06092 00049 00000 00000 00000 00000

20219/19353/14375 kHz, 13-03, 1330/1340/1350 UTC

11166 80214 89471 13067 00049 00000 00000 00000 00000

20219/19353/14375 kHz, 27-03, 1330/1340/1350 UTC
11166 80214 16385 27024 00049 00000 00000 00000 00000

15739/13429/11068 kHz, 25-03/26-03, 1500/1510/1520 UTC
26-03, 1520z was undecodable
11166 90017 39861 25015 00029 29985 00000

File 44413 (388 bytes, binary contents)
File 44413 (388 bytes, binary contents)
File 47414 (989 bytes, binary contents)
File 44815 (989 bytes, binary contents)

10244 kHz, 04-03/06-03/11-03/13-03/18-03/20-03/25-03/27-03, 2100 UTC
9379 kHz, 04-03/06-03/11-03/13-03/18-03/20-03/25-03/27-03, 2110 UTC
8161 kHz, 04-03/06-03/11-03/13-03/18-03/20-03/25-03/27-03, 2120 UTC
7518 kHz, 04-03/06-03/11-03/13-03/18-03/20-03/25-03/27-03, 2130 UTC
6783 kHz, 04-03/06-03/11-03/13-03/18-03/20-03/25-03/27-03, 2140 UTC
5864 kHz, 04-03/06-03/11-03/13-03/18-03/20-03/25-03/27-03, 2150 UTC

R Y R Y R Y R Y R Y R Y R Y R Y R Y R Y R Y R Y R Y R Y R Y

18726 kHz, 27-03, 1259 UTC, FSK CW + FSK 75/500
UAG: Russian embassy Havana wkg UAL: MFA Moscow

[illegible]

52056 91589 10478 08969 36566 49589 11604 39688 62758 79376
33853 13503 24658 52902 21140 45762 52890 67706 58199 20379
43168 58088 70219 06719 34482 54820 65140 89867 54189 79331
48320 62714 72181 83288 64259 53290 31323 69591 45048 85796
46343 55494 70251 98761 88383 64158 67907 68769 97360 55210
11317 13182 89364 30458 91330 70314 51253 75632 68809 80478
39648 24105 36947 16354 26504 53508 48141 36100 58461 51209
85109 57671 22142 09572 80923 77754 32596 36930 17665 83775

87080 95231 58370 32406 51360 00278 91978 93019 70706 45493
95941 79515 22798 35174 46209 18969 54707 38143 29250 30530
71143 97752 35830 13016 66166 59176 41200 64629 15534 99915
01405 83248 71892 74477 20393 20716 29973 09137 67609 89568
54009 07749 50772 45656 84537 54517 73505 95058 66789 24691
32524 98774 67843 39091 34062 73594 74742 23435 34222 12597
90751 58377 32935 73720 71947 31216 76230 09836 71332 25188
46484 38759 82643 07309 45349 76642 01075 00679 99048 83184
43060 52203 40714 92092 92347 31658 49472 25236 64509 23039
50944 13929 07112 94139 08874 75782 77714 55280 62540 20556
66881 43145 89673 83448 58405 90645 99533 09280 43929 68762
85864 35973 34143 11293 94385 50803 33755 58449 84536 17829
72416 80242 90134 99962 08794 65586 08651 24093 49971 88062
73792 62726 53375 84284 91061 30560 03400 05794 40999 19434
79934 30436 79789 20110 60972 44133 91914 04288 26478 29022
74547 65327 55728 18861 58371 41095 35286 07669 94511 67368
19810 22521 62270 352

79934 30436 79789 20110 60972 44133 91914 04288 26478 29022
74547 65327 55728 18861 58371 41095 35286 07669 94511 67368
19810 22521 62270 35262 12882 96445 77345 51075 60047 02352
05231 22035 71238 33929 09475 16345 14795 44464 89489 70992
50239 79498 87607 45746 92019 64272 70047 46786 21391 31896
11511 68390 88632 03174 38068 26137 72782 54031 08035

M42b

19101 kHz, 01-03, 0803 UTC, CW + FSK 50/500

F5KA F5KA F5
QSA4 QRU? K
OK ZYC ZVP K
BK BK QRV K
K
R 272 085 K
QTC1 ZYC
QTC1 ZYC ZVP K

RYYRY RYYRY RYYRY RYYRY RYYRY

216 100 01 0800 3566=
216 100 01 0800 3566=
40126 45331 16429 33110 43198 54156 89693 45890 11755 61094
24955 70007 83949 20730 74342 02504 94880 58058 83979 09272
25971 17669 05305 35363 44853 05423 96083 11097 19449 10756
21206 70114 62060 30359 06163 08395 11634 20653 14610 00220
24931 25957 46001 44311 64545 85207 32327 46551 29921 09752
=50=
91666 14145 09933 90945 26710 83988 17175 91005 72688 97881
50923 03611 63072 57359 04463 25025 49552 85567 62262 41909
00549 88410 27272 48014 97915 17827 92059 95758 07527 06507
19622 13917 91218 10387 48510 21893 52435 64888 87908 71021
76048 28117 58092 58856 65375 34839 02527 54595 54675 04381
=100=
-0809(

CFM NIL QRU? K
SK

19101 kHz, 02-03, 0808 UTC, CW + FSK 50/500

S5W8 S5W8 S5W8 DE MB2W M
QTC1 ZYC ZVP K

RYYRY RYYRY RYYRY RYYRY RYYRY

217 100 2 0755 8351=
25065 17329 40792 76227 89175 08204 02900 64726 66847 11353
05542 26246 84007 06180 96680 41478 90366 59203 18018 94704
71041 10479 26955 53403 91312 20812 28634 76623 64152 63723
04457 89870 21984 58020 58675 05870 39675 38437 56866 33455
61550 15713 75452 99262 93089 73238 00957 96278 76542 73321
=50=
51481 37482 30445 16463 43199 58380 46414 54304 55409 21567
02341 29178 24685 23155 82042 06674 58602 95314 35893 51898
49343 56034 61431 84835 37238 71260 00936 41546 91756 15098
82526 40768 98004 64731 32419 22421 32685 44732 52154 73847
17150 19472 80641 30703 05732 10816 75502 63201 60326 46646
=100=
-0809=

CFM NIL QRU? K
OK ZZC ZVP K
BK QRV K
RPT K
RPT K
RPT ZVP K
BK BK QRV K
RPT K
K
R 441 0814 K
NIL SK

19101 kHz, 03-03, 0802 UTC, CW + FSK 50/500
5NT8 5NT
OK ZZC ZVP K

RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY

BK QRV K
RPT K
RPT ZVP K
BK QRV K
RPT K
K
R 288 0808 K
R 288 0808 K
RPT K
R 288 0808 K
QTC1 ZZC ZVP K

RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY
218 100 3 0800 5741=
218 100 3 0800 5741=
21044 22262 23750 09280 14602 96532 68572 11667 98285 48478
68221 74929 49718 93189 99937 68605 46590 66488 42915 93813
92205 96378 84663 74932 99613 20821 12354 96144 95881 15520
03084 32515 84949 35569 98496 52136 15035 66819 32326 27304
21271 84519 24448 00684 63617 44476 89728 82363 48094 01461
=50=
84468 10479 08970 98344 89480 80329 43509 33270 17825 12568
94735 91525 48800 05323 63266 99045 83088 77122 79071 19661
14741 33258 83383 25139 32052 38105 51127 47172 15765 18224
37842 27349 01313 06035 26013 52394 72388 80616 71704 03026
76578 84013 71809 60941 62452 96510 49798 57370 84187 25721
=100=
-0815

CFM NIL QRU?

CFM NIL QRU?
CFM NIL QRU?
SK

19101 kHz, 04-03, 0800 UTC, CW + FSK 50/500

K9M1 K9M1
QTC1 ZZV ZVP K

RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY

219 100 4 0755 8903=
55758 18270 36858 53315 10043 58080 25613 42180 43828 69390
82308 67785 70352 60698 63467 42784 98821 70860 63199 57116
10056 90180 78052 14500 58689 75687 21949 76104 17415 93145
29508 47327 24831 93903 33385 87013 73225 28280 12626 91982
42772 47149 43487 01541 76348 13922 37614 05412 37795 59824
=50=
12256 08113 57030 63506 95375 14498 01048 86808 17731 70620
34863 37799 72206 28300 34807 17771 00589 83872 75415 13566
69269 99896 91971 85485 86239 96542 12350 46925 83870 97855
54379 56502 93748 78472 27506 82589 03362 43093 20694 69208
62525 12760 88546 78978 29001 56099 86130 66254 44490 18825
=100=
-0803

CFM NIL QRU? K
OK ZZC ZVP K
BK K
RPT RPT K
RPT K
RPT K
RPT K
R 808 0807 K
807 0807 K
R 133 0807 K
BK BK R 233 0807 K
NIL SK

19101 kHz, 06-03, 0758 UTC, CW + FSK 50/500, i.p.

RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY
221 100 6 0755 8417=
02194 56964 60077 93590 18064 00546 96926 59268 83880 70529
75002 40417 12525 37453 26606 89653 85985 14755 68740 27795
31114 70367 74264 99894 37521 55934 48779 16172 94832 25324
95348 50565 12381 20747 25320 75507 19574 52600 11269 50126
04159 42694 53600 27487 41087 23737 46471 31693 04887 80440
=50=
40148 06302 26063 11770 00780 48302 34271 29979 39536 15784
08678 73603 85022 14421 36019 82682 18277 06086 58270 60403
76979 88356 58477 39457 00540 53015 38347 25552 32099 72817
74020 09520 18042 09774 91910 89592 26641 96049 35752 95195
78660 87138 38622 73107 05572 98027 51810 01717 76530 93325
=100=
-0803

CFM NIL QRU? K
OK ZZC ZVP K
BK QRV K
RPT K (5x)
K
RPT PBL K
RPT K
RPT PBL K
BK K

RPT K
RPT K
R 741 0809 K
NIL QRU? K
SK

19101 kHz, 12-03, 0801 UTC, CW + FSK 50/500

4XNG 4XN6 4XN6 DE SD75 SD75 K
QTC1 ZZC ZVP K

RYRYRYR RYRYRY RYRYRY RYRYRY RYRYRY

227 100 12 0755 9384=
32424 81972 94380 97941 17579 33658 80034 73760 17546 53360
60917 87364 15518 10396 42497 26274 45446 42571 00673 60491
03464 10257 70234 17884 98677 03845 96833 56572 36270 80789
40909 70576 08384 85033 48988 98897 73975 86835 43394 77903
44363 17106 09198 90475 13153 74284 73911 44854 76687 47914
=50=
72089 37475 85096 13029 79757 69782 35733 68006 71182 91613
78263 22510 94560 03825 40870 16178 76892 43696 90167 37211
98185 31458 22623 86967 55882 71195 28368 09946 98851 45952
70779 14223 75323 25211 93098 33628 81178 21263 54098 33386
77976 02264 26833 67694 26027 88046 71380 18234 88061 63144
=100=
-0803

CFM NIL QRU? K
OK ZZC ZVP K
BK QRV K
K
R 337 0807 K
NIL SK

19101 kHz, 14-03, 0800 UTC, CW + FSK 50/500

CB6R CB6R C
QTC1 ZZC ZVP K

RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY

229 100 14 0755 8361=
00606 09301 13456 77627 31907 74674 37618 41994 00767 55417
45937 62240 80961 91580 90388 05476 11326 18035 23529 81032
34264 38975 88811 42177 69031 02527 75213 64283 76467 72289
97100 40494 28042 32872 25863 83703 99201 36196 61687 83291
41859 35425 71623 87016 89849 75394 66763 69821 51513 01023
=50=
70477 44296 65431 71253 50403 83585 07644 30159 93638 92917
47907 28299 89846 39866 85160 96207 14424 46566 66742 59145
94200 29869 69521 28897 45331 69193 89739 97184 26388 72951
61614 97529 83876 97307 93353 12529 68042 63928 82180 78900
60397 62935 09505 78992 79588 77889 84945 82776 49701 39048
=100=
-0803

CFM NIL QRU? K
OK ZZC ZVP K
BK QRV K
RPT K
K
R 578 0807 K
R 578 0807 K
NIL SK

19101 kHz, 15-03, 0802 UTC, CW + FSK 50/500

MYaV5 MYaV
QTC1 ZCZ ZVP K

RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY

230 100 15 0800 5728=
40886 36350 78317 84162 36005 42228 68857 48504 57400 11547
77509 06441 21906 66646 09640 67331 03073 09143 28428 20694
39416 67393 71678 97903 23197 11782 23486 26355 84842 85176
71100 02472 61729 34582 27621 00749 53183 38777 96988 81360
70933 06390 34364 89269 07596 59707 97881 11960 91747 14960
=50=
86857 60851 65065 19625 73967 67273 45140 00398 47345 88472
14602 37174 54280 29350 11948 44801 01762 11011 70788 84911
12508 36236 45032 25656 72654 45046 35888 83408 36432 87744
33810 25541 18918 79232 08843 02278 62253 29184 41435 22446
67673 09829 69304 95305 94630 16282 06175 57759 83014 62924
=100=
-0804

CFM NIL QRU? K
OK ZCZ ZVP K
BK BK QRV K
RPT K
RPT K
RPT K
K
R 841 0809 K
NIL SK

19101 kHz, 16-03, 0801 UTC, CW + FSK 50/500

ZUOB ZUOB ZUOB DE 8DSF 8DSF K
QTC1 ZCZ AVP K

RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY

231 100 16 0755 9235=
76886 84466 54978 58213 98003 85436 61261 06542 41631 41984
48440 93636 41967 39403 84750 81170 52098 08184 02511 54015
59146 12822 09408 20961 58529 67480 16220 86588 78838 87193
44197 38696 72494 59008 19612 71981 52783 63132 02443 11231
04277 44964 23813 38751 95361 67300 61590 43431 07609 03770
=50=
08554 73103 46417 45101 42812 93860 86061 75487 82345 39141
20423 82660 87793 06876 57103 63299 61204 58827 80471 98777
64694 95045 10830 49021 91338 52841 70539 25729 43129 17831
13448 59354 43628 86350 49553 48224 43988 73929 39421 40905
94642 99223 68758 73267 32694 93483 17892 28342 61256 12151
=100=
-0804

CFM NIL QRU? K
OK ZCZ ZVP K
BK QRV K
RPT K
RPT K
RPT K
K
R 780 0809 K
SK

19101 kHz, 18-03, 0801 UTC, CW + FSK 50/500

F8PW F8PW F8PW DE PG67 PG67 K

QTC1 ZZC ZVP K

RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY

233 100 18 0750 3865= =

43032 83739 10402 31151 14424 31050 99324 52945 86846 08915

02177 50075 29663 03518 00684 40434 15822 50277 90878 19161

19399 73248 65448 62011 92180 91130 26976 05921 88645 60963

06644 85598 54561 37849 94068 72969 26702 18888 66234 56143

33759 62478 51622 95277 05141 60996 24909 98157 10082 49778

=50=

29546 62863 40832 74019 92902 14303 13379 95371 61266 44177

08128 45576 81130 22551 73410 17624 34346 30200 89192 33788

07158 16890 42499 13933 93424 95786 78383 42121 16666 59964

48910 50828 41679 21335 77235 88496 05496 56858 61950 09464

93116 69620 24675 24111 19226 23561 06439 02186 10179 62305

=100=

-0804

CFM NIL QRU? K

OK ZZC ZVP K

BK QRV K

RPT K

RPT K

K

R 315 0808 K

SK

19101 kHz, 19-03, 0812 UTC, CW + FSK 50/500

IC9U IC9U IC9U DE K9VE K9VE K

QSA4 QRU? K

OK ZZC ZVP K

BK BK QRV K

RPT K

RPT K

RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY

104 100 19 0800 6776=

234 100 19 0800 6776=

39035 28854 85799 47470 70416 75229 57051 57133 52843 98148

31894 68990 04022 30943 42756 34760 79158 72763 98913 14319

85182 91787 75813 88757 07798 01334 22950 46317 00203 58224

14384 19544 98605 84417 13033 31475 88039 44811 22114 71115

84807 46085 68661 52753 89500 99402 91693 53163 74330 68243

=50=

52424 53316 709+9 29547 81146 30454 92936 30996 56362 39305

08834 46503 11706 36947 22368 71901 42147 68310 82155 00195

81939 71073 13838 59812 99427 92723 42736 63970 48523 38229

43015 92095 53929 79268 43895 25547 61294 78697 35337 40889

62253 99075 93612 09398 02357 39817 98135 72479 97588 90929

=100=

-0825

CFM NIL QRU? K

SK

19101 kHz, 20-03, 0801 UTC, CW + FSK 50/500

6JI1 6JI1 6JI1 DE 2YaNH 2YaNH K

QTC1 ZYC ZVP

RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY

233 100 20 0755 9148= =

88534 36873 60535 33698 41557 98114 50303 93293 55328 05166

12788 68801 25177 76298 56318 41570 11209 26906 13340 23952

72023 06776 98738 86786 59195 43938 32144 66354 96480 36604

45566 10005 03739 32867 45483 61223 88944 77699 10403 44540

58816 37851 14920 62921 84124 78842 19092 74172 20845 80792

=50=

87829 39033 24535 92219 43127 62931 24806 95591 04779 57178

21335 30725 86989 79441 57554 40157 19052 58442 24932 81345

42217 95702 64169 63927 34128 52987 65116 80470 83629 70262

12724 79989 84495 37594 87949 04940 45439 90808 78427 07676

25312 51665 80033 94596 36480 10777 39592 96352 05520 01662

=100=

-0804

CFM NIL QRU? K

OK ZYC ZVP K

BK QRV K

RPT K (6x)

RPT PBL K

BK QRV K

RPT K

K

RPT PBL K

RPT K (4x)

R 573 0811 K

NIL SK

19101 kHz, 21-03, 0807 UTC, CW + FSK 50/500

1EZP 1EZP 1EZP DE LH4Z LH4Z K

QSA4 QSA? K

OK QSA 91468 K

1EZP 1EZP 1EZP DE LH4Z LH4Z K

RPT K

RPT K

OK QSY 91292 K

1EZP 1EZP 1EZP DE LH4Z LH4Z K

QSA NO = = NW QSY 91292 QSY 91292 K

QSA NO = = NW QSY 91292 QSY 91292 K

BK BK QSA4 QSA? K

QTC1 QTC1 ZYC ZVP K

RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY

234 100 21 0800 8998=

39035 28854 85899 47470 70416 75229 57051 57133 52843 98148

31894 68990 04022 30943 42756 34760 79158 72763 98913 14319

85182 91787 75813 88757 07798 01334 22950 46317 00203 58224

14384 19544 98605 84417 13033 31475 88039 44811 22114 71115

84807 46085 68661 52753 89500 99402 91693 53163 74330 68243

=50=

52424 53316 70939 29547 81146 30454 92936 30991 56362 39305

08834 46503 11706 36947 22368 71901 42147 68310 82155 00195

81939 71073 13838 59812 99427 92723 42736 63970 48523 38229

43015 92095 53929 79268 43895 25547 61294 78697 35337 40889

62253 99075 93612 09398 02357 39817 98135 72479 97588 90929

=100=

-0817

CFM NIL QRU? K
OK ZZC ZVP K
BK BK QRU K
K
R 157 0821 K
NIL SK

19101 kHz, 22-03, 0804 UTC, CW + FSK 50/500
2B8L 2B8L 2B
QTC1 ZZC ZVP K

RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY
235 100 22 0755 7562=
21782 23027 71528 76123 26888 94232 75363 79703 47419 48762
00800 69482 87834 33503 87040 19187 30920 90961 46020 45318
89784 71381 22116 32840 98702 96028 82950 34383 40773 52636
65757 14518 31036 28359 69156 50835 79267 97159 00005 95420
30245 81794 46674 38163 26639 14478 60087 59048 58637 06612
=50=
16171 21588 54955 82486 45608 42605 13141 26494 24039 51192
93965 82764 37763 09948 59362 41681 89677 27914 56333 75282
24150 32190 49939 77688 24789 05645 86914 97636 89892 78157
00398 29505 09102 51934 61461 85900 82211 05256 78708 96999
67325 42052 24657 77315 18301 31742 80114 67783 91968 65517
=100=
-0807

CFM NIL QRU? K
OK ZZC ZVP K
BK QRV K
RPT K
K
R 528 0810 K
NIL SK

19101 kHz, 23-03, 0807 UTC, CW + FSK 50/500
WX2A WX2A WX2A DE SXBH SXBH K
WX2A WX2A WX2
QTC1 ZZC ZVP K

RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY
236 100 23 0800 5885=
39035 28854 85799 47470 70416 75229 57051 57133 52843 98148
31894 68990 04022 30943 42756 34760 79158 72763 98913 14319
85182 91787 75813 88757 07798 01334 22950 46317 00203 58224
14384 19544 98605 84417 13033 31475 88039 44811 22114 71115
84807 46085 68661 52753 89500 99402 91693 53163 74330 68243
=50=
52424 53316 70939 29547 81146 30454 92936 30991 56362 39305
08834 46503 11706 36947 22368 71901 42147 68310 82155 00195
81939 71073 13838 59812 99427 92723 42736 63970 48523 38229
43015 92095 53929 79268 43895 25547 61294 78697 35337 40889
62253 99075 93612 09398 02357 39817 98135 72479 97588 90929
=100=
-0810

CFM NIL QRU? K
OK ZZC ZVP K
BK BK QRV K
R 152 0815 K
NIL SK

19101 kHz, 24-03, 0802 UTC, CW + FSK 50/500

S5W8 S5W8 S5W8 DE MB8W MB8W K

QSA = = NW QSL 80271 QSW 80271 K

CFM K

S5W8 S5W

QSA4 QRU? K

BK ZZC ZVP K

BK QRV K

RPT PBL K

RPT K (6x)

K

R 664 9809 K

QTC1 ZZC ZVP K

237 100 24 0755 8235=

237 100 24 0755 8235=

RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY

237 100 24 0755 8235=

21782 23027 71528 76123 26888 94232 75363 79703 47419 48762

00800 69482 87834 33503 87040 19187 30920 90961 46020 45318

89784 71381 22116 32840 98702 96028 82950 34383 40773 52636

65757 14518 31036 28359 69156 50835 79267 97159 00005 95420

30245 81794 46674 38163 26639 14478 60087 59048 58637 06612

=50=

16171 21588 54955 82486 45608 42605 13141 26494 24039 51192

93965 82764 377

OK QSW 91608 K

(Probably switched to another frequency. Nothing else heard)

19101 kHz, 25-03, 0759 UTC, CW + FSK 50/500

5NT8 5NT8 5NT8 DE 19T

QTC1 ZZC ZVP K

RYRYRY RYRYRY RYRYRY RYRYRYR RYRYRYR

238 100 25 0800 6142=

238 100 25 0800 6142=

238 100 25 0800 6142=

34314 12413 06967 68433 66349 70322 47798 33184 60376 04677

95651 52415 65256 11949 62990 51630 52617 79210 70797 52878

93184 35598 64348 23745 91763 41538 42373 70051 13767 58045

73841 11396 35074 56663 79645 52568 05212 34383 14013 47925

39616 17085 81022 46676 20044 39153 88361 17817 31864 00090

=50=

81295 62697 07753 96299 05003 43362 55584 04894 81376 96438

55356 62918 19367 98309 78035 62427 47373 95706 53511 42982

97212 08442 48077 58228 09180 44532 74206 42616 05602 57091

01139 37482 86908 77038 85368 71592 71304 33192 57040 81706

70206 09970 14144 79808 25822 02374 04446 24711 74800 49049

=100=

-0812 K

CFM NIL QRU? K

OK ZZC ZVP K

BK BK QRV K

RPT PBL K

R 141 0816 K

SK

19101 kHz, 27-03, 0803 UTC, CW + FSK 50/500

FI17 FI17 FI17

QSA1 = = NW QSY 66867 QSY 66867 K

CFM K

BK BK QSA3 QSA? K
OK ZZC ZVP K
BK BK QRV K
K
R 567 0809 K
QTC1 ZZV ZVP K

RYRYRY RYRYRY RYRYRY RYRYRYRY RYRYRY RYRYRY
239 100 27 0800 5194= =
03298 72196 53502 89484 08099 76575 37078 84103 97847 14652
08027 21578 02832 83693 21205 ?3071 29932 87334 46729 90272
81304 82709 83998 37563 10984 09529 92245 64745 64874 80357
66977 47812 72606 18082 77954 35580 45734 69242 64426 26456
92380 01571 81676 33857 03377 99344 03751 75442 52541 27404
=50=
42979 67903 52627 91556 92058 47589 14104 17129 67342 25370
17444 38108)2352 78100 26052 28757 99633 08139 95343 73193
43149 36923 81457 75501 62896 17058 59195 24317 62017 90473
53563 37252 03332 86619 50183 07356 62038 57874 29762 96888
05813 14361 95318,46545 26694 99199 19413 02950 06558 49615
=100=
-0813

CFM NIL QRU? K
SK

19101 kHz, 28-03, 0804 UTC, CW + FSK 50/500
X47B
QTC1 ZZC ZVP K

RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY
240 100 28 0755 9214=

BK QSW 94653 K
(Changed frequency. New frequency not found)

19101 kHz, 29-03, 0809 UTC, CW
M4YaO M4YaO M4YaO DE FB9N FB9N K (repeated)
VVVV
QSA1 = = NW QSY 91889 QSY 91889 K
VVVV
(Nothing else heard)

19101 kHz, 30-03, 0804 UTC, CW + FSK 50/500
K3AG K3A
QTC1 ZZC ZVP K

RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY
242 100 30 0755 7382=
05682 71849 27155 08350 17963 48313 93171 35329 26832 36281
42138 49702 09538 77501 44747 18556 79085 94466 98744 61113
48732 75220 19219 70638 22907 36069 42715 08241 55277 44909
82492 14030 07291 91926 27154 01001 10359 88302 52994 28520
16753 35457 57912 81131 30649 07051 09706 35371 13806 01736
=50=
08963 08206 33525 15045 37030 66359 95884 31451 00454 18025
77271 23758 67567 19866 26684 10234 90129 26294 28374 29437
05393 92347 73917 83405 04351 97250 96757 14968 86477 15277
77124 42499 48525 45251 23760 68795 48573 92551 60124 98914
25702 08077 74623 94769 82126 73566 11183 38156 95279 58336
=100=
-0807

CFM NIL QRU? K
OK ZZC ZVP K
BK QRV K
RPT K
RPT K
RPT K
RPT K
RPT ZRP K
BK QRV K
K
R 674 0812 K

19101 kHz, 31-03, 0805 UTC, CW + FSK 50/500

N1ZE N1
QSA2 = = NW QSY 58087 QSY 58087 K
RPT CFM K
BK BK QSA4 QRU? K
OK ZZC ZVP K
BK BK QRV K
RPT K
RPT K
RPT K
K
R 283 0808 K
QTC1 ZZC ZVP K

RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY
243 100 31 0800 8235=
RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY RYRYRY
243 100 31 0800 8235=
243 100 31 0800 8235=
243 100 31 0800 8235=
86262 60859 60963 16196 59917 39939 11759 13908 18104 44073
93406 13528 64141 37527 55588 02422 73533 36908 97413 84058
00659 47382 57522 15806 69512 09624 72650 79939 10893 00002
86159 45020 61456 42747 87868 18838 02747 88592 57492 26702
40949 85781 89375 25394 74436 66458 60854 75274 57584 02952
=50=
64808 66402 46424 02149 79629 04211 67647 61603 86048 46051
13297 29461 74058 81143 54978 81408 74303 34392 66682 46582
95682 68331 30592 82631 81940 31891 18678 86739 86135 43927
23829 05296 30699 57540 64989 64268 98302 30079 81150 10086
05015 98136 13655 90717 99804 13612 43745 45559 18473 16589
=100=
-0813

CFM NIL QRU? K
SK

12093 kHz, 18-03, 1229 UTC, CW + FSK 50/500

NT9P NT9P NT9P DE K4MT K4MT K
QSY 95559 QSY 95559 K
NT9P NT9P NT9P DE K4MT K4MT K
QSA NO QSY 95559 K
QSY 95559 K
NT9P NT9P NT9P DE K4MT K4MT K
QSA NO QSY 95559 K
NT9P NT9P NT9P DE K4MT K4MT K
(unreadable, faded to nil)
QSA2 QSA? K
QTC1 ZZC K

RYRYRYRYRYRYRYRYRYRYRYRY

431 100 18 1215 3818 =

431 100 18 1215 3818 =

_____ 47417 66819 6_0__ 14437 96703 18277 41890
02457 72135 83149 66163 12835 36608 57999 73221 50192 48234
55056 34271 17871 98407 87200 15907 74701 32126 01627 90181
30517 99367 10113 57634 02878 39457 09163 15241 52095 92340
66123 02054 75501 76070 56215 80280 08071 __036 70041 34359 =050=
__22_ 44771 41801 61842 51603 35621 52125 93566 16394 58071
58393 30984 73712 95474 05379 27695 57587 30520 32397 _7257
67361 98594 20120 07082 13827 84934 61176 35762 48568 25390
91250 55__9 5440_ 58913 53848 69393 99__8 12077 17837 81297
1__65 72647 47860 45654 00817 27306 614__ 23766 00730 07405 =100=

(unreadable)

12093 kHz, 19-03, 1228 UTC, CW + FSK 50/500

NT9P NT9P NT9P DE K4MT K4MT K

QSA2 QSA? K

QTC1 ZZC K

RRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRYRY

521 100 19 1215 8455 =

521 100 19 1215 8455 =

521 100 19 1215 8455 =

521 100 19 1215 8455 =

88642 37122 97227 35038 90723 90002 30296 28866 63229 72138
11715 95239 01990 67037 60190 30288 03098 10660 88635 57878
03041 87351 36190 92617 54618 93049 53778 98406 92246 14166
86256 49713 31937 72526 23030 44327 82771 42103 88659 15878
88362 86879 87301 74434 29881 36464 21099 43943 96609 54526 =50=
77599 04024 27018 59676 93789 30070 83390 99866 85645 69421
09070 02535 92869 05733 86762 46571 94490 26839 17851 88925
72414 01847 37016 25107 62031 14104 69281 63351 66667 76742
53153 51629 79839 15396 40840 81404 81734 43317 62123 97776
83135 79086 87506 15657 10478 51749 89824 58020 92412 81446 =100=
-1234 K

CFM NIL QRU? K

ZVP K

BK QRV K

RPT K

RPT K

ZVP K

BK QRV K

RPT K

RPT K

RPT K

ZVP K

BK QRV K

RPT K

RPT K

ZVP K

K

R 065 1241 K

SK

12093 kHz, 20-03, 1228 UTC, CW + FSK 50/500

NT9P NT9P NT9P DE K4MT K4MT K

NT9P NT9P NT9P DE K4MT K4MT K

NT9P NT9P NT9P DE K4MT K4MT K

N09P N09P

QSA3 QSA? K

QTC1 ZZC

RYRYRYRYRYRYRYRYRYRYRYRYRYRY

047 100 20 1215 4907 =

047 100 20 1215 4907 =

24822 66200 19192 18192 61754 45921 38451 26354 32823 40648

94365 37210 65033 20823 59127 06110 55511 78776 12763 88205

67136 63061 23048 29891 76553 65737 15647 13815 75567 33623

22981 51763 26897 03175 89372 30402 81687 18395 44493 68020

72110 34885 65022 89350 27676 62525 89447 41496 98338 05232 =50=

46757 13895 57280 86681 36020 92943 18619 21744 12105 20166

59350 91810 92583 13485 87417 13297 70350 40742 52571 28439

90957 73146 74265 16450 72101 25964 41360 17451 29481 72628

97088 18678 18905 90443 39013 67950 50011 13205 87870 70748

77319 98533 36267 11857 54174 42718 62944 89871 42897 33006 =100=

- 1234 K

CFM NIL QRU? K

BK QVP K

BK QRV K

K

R 339 1237 K

SK

12093 kHz, 21-03, 1229 UTC, CW + FSK 50/500

NT9P NT9P NT9P DE K4MT K4MT K

QSA3 QSA? K

QTC1 ZZC K

RYRYRYRYRYRYRYRYRYRYRYRYRYRY

826 100 21 1220 9842 =

49149 51051 47439 52452 60414 37431 78075 03035 11673 82321

30891 30939 51042 20580 84237 31581 08693 90603 39418 12212

51489 07248 06489 71637 08335 63501 80698 58220 94616 71839

16657 29233 63236 02694 86760 14324 18603 35923 21749 40146

73817 31998 92102 85675 16246 68988 52112 54765 75749 62171 =50=

35767 47115 17885 81138 60820 35409 17779 19404 30065 07145

29837 61303 30156 63575 23440 10808 60884 35088 74710 11237

38185 89066 20257 04649 37157 00056 70610 41349 83485 88519

59059 64823 78442 30616 76213 26915 66005 61844 71437 30013

79084 59658 91527 51781 77713 38877 35328 42606 00680 88923 =100=

-1233

CFM NIL QRU?

ZVP K

BK QRV K

K K

R 604 1236 K

SK

12093 kHz, 22-03, 1229 UTC, CW + FSK 50/500

NT9P NT9P NT9P DE K4MT K4MT K

QSA3 QSA? K

QTC1 ZZC K

RYRYRYRYRYRYRYRYRYRYRYRYRYRY

904 100 22 1220 9012=

01950 83795 11486 24497 92958 10141 64349 09957 87466 74315

95776 16961 32333 42697 45080 65022 18162 10425 29603 28613

90173 51930 61746 02048 37145 93648 88160 44027 59337 38628

60589 64712 17587 33610 47863 42556 47158 40307 88531 16389

98704 14031 08009 67056 12355 57359 06830 34911 05916 50115 =50=

70030 70491 93884 13566 49402 40967 75561 90870 60842 17212

CFM NIL QRU? K
ZVP K
BK QRV K
RPT K
R 375 1237 K
NIL SK

13243 34876 78789 22368 79110 07021 33554 24512 20532 44672
61__ 37772 24_3 __8515 34562 13332 __7731 87979 48179 23740 =50=
94363 69040 __1__ _1942 32069 336 __3_2__ _4232 27602 82000
15206 56307 40_63 98777 37488 84552 09303 55234 34637 01154
37366 88571 447_9 _2177 __682 41343 08023 90540 44680 14427
90790 01866 32853 85960 40033 __262 7_448 99860 09942 38600
17364 27117 25918 74711 7916 31461 08160 95495 84586 8353 =100=

NT9P NT9P NT9P DE K4MT K4MT K (9x)
NT9P NT9P NT9P DE K4MT K4MT QSA NO QSY 03610 QSY 03610 K (3X)
QSA2 QSA? K
QSA2 QSA? K
NT9P NT9P NT9P DE K4MT K4MT K (2x)
OK QSW 03378 QSW 03378 K
(nothing else heard)

NT9P NT9P NT9P DE K4MT K4MT K
QSA3 ASA? K
QRC1 ZZC ZVP K

CFM NIL QRU? K
ZVP K
BK QRV K
RPT K
ZVP K
BK QRV K
K
R 572 1258 K
SK

QTC1 ZZC K

-1233 K

SK

K4MT K4MT K4MT DE NT9P NT9P K. Too weak to copy

[illegible][illegible]

A HR MSG GA

NR097 26 35 0301 0619 --
 511 200 001 324 314 507 508 509 511 752
 354 373 897 360 407 343 938 403 445 346
 932 446 381 938 382 488 &
 MSG AGN

NR097 26 35 0301 0619 --
 511 200 001 324 314 507 508 509 511 752
 354 373 897 360 407 343 938 403 445 346
 932 446 381 938 382 488 &
 A HR MSG

NR046 19 35 0301 0621 --
 205 001 324 701 001 773 407 343 938 403
 446 345 822 898 934 448 469 887 906 &
 A HR MSG GA

MSG AGN
 NR045 35 35 0301 0612 --
 205 001 324 314 001 002 003 773 353 938
 354 362 407 343 938 403 446 001 773 345
 822 898 934 448 469 484 938 486 381 938
 382 001 773 938 384 &

A HR MSG GA
 NR097 26 35 0301 0619 --
 511 200 001 324 314 507 508 509 511 752
 354 373 897 360 407 343 938 403 445 346
 932 446 381 938 382 488 &

MSG AGN
 NR097 26 35 0301 0619 --
 511 200 001 324 314 507 508 509 511 752
 354 373 897 360 407 343 938 403 445 346
 932 446 381 938 382 488 &
 A HR MSG GA

NR046 19 35 0301 0621 --
 205 001 324 701 001 773 407 343 938 403
 446 345 822 898 934 448 469 887 906 &
 A HR MSG GA

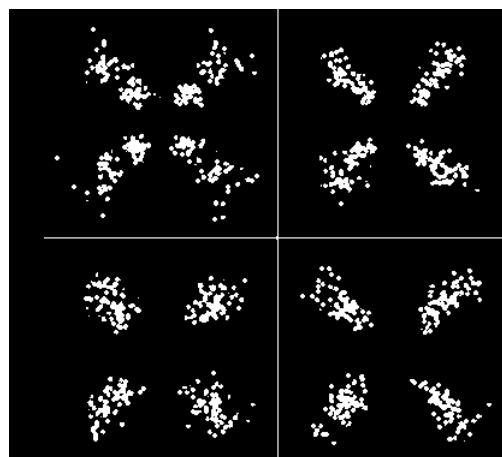
NR097 26 35 0301 0619 --
 511 200 001 324 314 507 508 509 511 752
 354 373 897 360 407 343 938 403 445 346
 932 446 381 938 382 488 &
 MSG AGN

NR097 26 35 0301 0619 --
 511 200 001 324 314 507 508 509 511 752
 354 373 897 360 407 343 938 403 445 346
 932 446 381 938 382 488 &
 A HR MSG GA

NR046 19 35 0301 0621 --
 205 001 324 701 001 773 407 343 938 403
 446 345 822 898 934 448 469 887 906 &
 AGN

NR046 19 35 0301 0621 --
 205 001 324 701 001 773 407 343 938 403
 446 345 822 898 934 448 469 887 906 &
 A HR MSG GA

NR01 127 35 0301 0653 --
 202 001 324 314 702 701 707 331 336 932
 759 773 935 702 401 956 770 002 773 353
 240 354 362 407 336 938 403 445 336 932
 453 480 482 360 954 481 336 932 486 381
 336 932 385 003 773 354 373 938 353 362



4+4 phase plane

91!!OEI RPE RRT EEY OEW RRY RIP RIW
EYP OTR RIQ EIQ EEY OEW UYI RIW PPT UUE
ETR EUE EYW RPR 445 336 932 446 480 482
360 954 481 381 336 932 768 482 511 752
354 373 362 404 445 336 932 446 771 437-1
480 482 360 954 481 381 336 932 768 482
006 773 354 373 362 409 336 938 403 446
480 482 360 954 481 768 482 &
A HR CW HR MSG TO YR

14808.5 kHz, 05-03, 1050 UTC, 4+4 QPSK 75/1000 LSB

1234 5678 9012 3456 7890 1234 5678 9012 3456 7890
1234 5678 9012 3456 7890 1234 5678 9012 3456 7890
1234 5678 9012 3456 7890 1234 5678 9012 3456 7890
1234 5678 9012 3456 7890 1234 5678 9012 3456 7890
1234 5678 9012 3456 7890 1234 5678 9012 3456 7890
1234 5678 9012 3456 7890 1234 5678 9012 3456 7890
=
1234 5678 9012 3456 7890 1234 5678 9012 3456 7890
1234 5678 9012 3456 7890 1234 5678 9012 3456 7890
1234 5678 9012 3456 7890 1234 5678 9012 3456 7890
1234 5678 9012 3456 7890 1234 5678 9012 3456 7890
1234 5678 9012 3456 7890 1234 5678 9012 3456 7890
1234 5678 9012 3456 7890 1234 5678 9012 3456 7890
=
1234 5678 9012 3456 7890 1234 5678 9012 3456 7890
1234 5678 9012 3456 7890 1234 5678 9012 3456 7890
1234 5678 9012 3456 7890 1234 5678 9012 3456 7890

18989 kHz, 07-03, 0716 UTC, 4+4 QPSK 75/1000 LSB

G9NG GG9NG DE CMEX CMEX CMEX
GG G9NG G9NG DE CMEX CMEX CMNG G9NG G9NG DE CMEX QAYEX
XYXYXYXY HR MSG GAU
0569 499 24 0307 1513
H7RP---PWH5
5926 9520 0132 4597 3780 4617 2417 8134 9568 6380
6319 8497 6751 5901 2340 0132 6248 7289 5076 4835
6073 4128 6579 3108 6925 0712 5892 4671 4830 4395
0753 1296 4319 3894 5067 7061 4597 9832 1536 2840
7295 7308 4956 4369 1340 4102 2065 1683 7298 5178
8679 9503 6578 1360 0479 8524 1423 3501 1726 4829
6032 9856 4397 7608 4351 7814 8790 5231 6250 2941
9506 3084 2061 7892 0357 9186 4217 9546 5238 7134
7504 2013 1869 9257 2084 3205 6913 9857 6384 6147
6384 0891 1230 9802 6570 9271 6745 8673 5143 5942-1
0319 7231 4356 9267 0176 4580 9485 0528 9748 1362
7418 6120 2658 7981 0256 3987 3405 6054 9713 3429
1963 0762 2659 0813 4580 4572 4538 4572 4538 1236
7819 2085 5132 0236 8475 6941 9862 4037 9457 6103
0421 9453 5981 4516 9267 3807 3627 1760 1923 6952
3860 4751 4152 0289 1356 1748 5197 7609 0346 0368
8625 3428 8634 1389 9327 0465 0134 9057 7290 5761-2
7120 8465 9143 1492 8057 6728 5701 3695 3695 2863
6870 8579 6234 3459 7104 5214 9012 3869 1753 0286
1956 0182 1437 7824 5938 2479 6502 0193 3864 5607
6718 7120 3824 4569 1439 5879 3265 8057 1260 4803
3180 8560 2134 1940 2658 4970 5378 2439 1276 5796
7985 7526 8769 0234 0681 3065 2490 3194 4132 5781
6879 4892 1532 4670 7289 3678 0123 1560 4510 5394
4396 3896 7091 8132 7046 8513 2514 7025 4792 6850
8196 6401 4307 7893 0485 9627 9214 2356 3580 7215
8631 7908 9845 4735 9102 9620 4126 3416 2357 7805-3
8019 7076 2857 1241 7023 8591 9702 2378 0283 0014
8514 7312 1652 4058 7124 8572 0297 9758 0607 3905

1356 0741 7636 2781 5193 8267 2416 1908 2394 7467
6163 0993 6869 8095 8183 6146 0332 8368 6301 4257
4519 5013 3482 7835 6138 2037 8905 9446 4548 9393
5652 6573 9725 1246 9137 8296 6425 5751 0329 9764
9681 7541 4191 1875 9819 0254 1035 4539 8027 9342
7034 5930 0876 4164 4052 3837 4054 4668 5860 2972
7272 1827 1591 7092 8424 2849 2085 4517 3191 3903
3886 3706 3693 7824 0983 5206 4656 3186 0557 4190-4
8019 7076 2857 1241 7023 8591 9702 2378 0283 0014
8514 7312 1652 4058 7124 8572 0297 9758 0607 3905
1356 0741 7636 2781 5193 8267 2416 1908 2394 7467
6163 0993 6869 8095 8183 6146 0332 8368 6301 4257
4519 5013 3482 7835 6138 2037 8905 9446 4548 9393
5652 6573 9725 1246 9137 8296 6425 5751 0329 9764
9681 7541 4191 1875 9819 0254 1035 4539 8027 9342
7034 5930 0876 4164 4052 3837 4054 4668 5860 2972
7272 1827 1591 7092 8424 2849 2085 4517 3191 3903
3886 3706 3693 7824 0983 5206 4656 3186 0557
QSL? NR 320

G9NG G9NG G9NG DE CMEX CMEX CMEX
G9NG G9NG G9NG DE CMEX CMEX CMEX
G9NG G9NG G

XPA1

14451/13451/12151 kHz, 05-03/07-03, 1310/1330/1350 UTC

441 441 441 1 441 441 441 1 441 441 441 1
00792 00153 92773 29864 52940 23374 62684 28282 52361 19652
25408 36274 97291 78245 96469 51871 98653 11171 62309 49093
01051 64322 85496 41974 58536 44321 52676 48562 21134 27464
05725 76857 59735 01152 79947 40467 31351 29420 87877 64595
16988 10975 72310 47049 58730 19220 78576 62549 06831 17678
46813 39259 11772 09885 11824 03551 21948 75349 94554 10151
59178 00777 61871 59644 30864 54135 29751 36793 26381 95502
03211 40491 66459 95083 35007 97813 07351 96422 05765 97882
48421 35765 67690 64336 49621 62299 68880 69845 20150 34964
85018 51921 06341 19765 69961 10321 97003 18657 05251 43282
14689 82322 24593 41390 17562 10477 91156 19002 06512 44227
12217 72067 62808 88310 29008 06707 27780 80527 27515 61603
85700 64992 99006 66884 24325 38139 31317 29648 52010 72963
39749 35368 61402 23339 00610 90721 48831 35831 39676 44811
21770 51466 59905 72114 03279 96276 76530 27782 54377 17422
04548 41475 49023 94264 53672 40564

14451/13451/12151 kHz, 12-03, 1310/1330/1350 UTC

441 441 441 000
08974 00001 00000 37667

14451/13451/12151 kHz, 14-03, 1310/1330/1350 UTC

441 441 441 000
09671 00001 00000 34670

14451/13451/12151 kHz, 19-03, 1310/1330/1350 UTC

441 441 441 000
07527 00001 00000 37261

14451/13451/12151 kHz, 21-03, 1310/1330/1350 UTC

441 441 441 000
05600 00001 00000 34255

14451/13451/12151 kHz, 26-03, 1310/1330/1350 UTC

441 441 441 000

05711 00001 00000 35256

14451/13451/12151 kHz, 28-03, 1310/1330/1350 UTC

441 441 441 000

03577 00001 00000 37262

XPA2

16261/15961/14861 kHz, 0910/0930/0950 UTC

16261/15961/14861 kHz, 01-03, 0910/0930/0950 UTC

00507 00112 30569 03384 35329 16364 52199 62466 59645 03890
78100 72787 31736 95912 72335 50724 09807 33958 04536 74018
26453 35079 54630 15837 83738 74092 54484 33143 74958 23265
55645 84170 90703 17180 67311 22296 42583 94902 24683 02877
05419 44184 70367 78803 78489 12407 35881 56691 76640 22953
59401 40376 77356 14503 47305 97204 45857 16897 38155 58234
50604 17163 47032 42127 73381 44367 22584 97889 89804 89734
59069 88202 13868 62234 71892 76623 60247 44331 21843 62784
03835 74904 69177 54165 93738 41526 43920 96421 46262 21117
41330 98186 82179 29553 82540 65668 71844 02996 49483 85030
88619 63107 85590 15035 16669 08543 53698 90442 02165 28632
76657 64225 16584 55320 44606

16261/15961/14861 kHz, 06-03, 0910/0930/0950 UTC

09057 00001 00000 34666

16261/15961/14861 kHz, 08-03, 0910/0930/0950 UTC

05901 00001 00000 36255

16261/15961/14861 kHz, 13-03/15-03, 0910/0930/0950 UTC

05128 00180 85530 92928 87045 55195 14006 00281 37625 91502
61168 88778 40243 02416 41545 10023 40890 04825 67581 01117
31979 66052 46860 55226 92453 39264 61256 90495 50561 81043
47878 38028 25726 39182 74148 85396 80596 97050 81417 46136
83288 19082 41554 21033 77596 35880 70264 86284 95576 78572
06851 07030 28839 99192 46323 68653 65682 07511 65555 49324
93208 16691 37765 60664 15749 37622 93576 26929 31198 59503
31255 07843 70370 07022 26239 89033 70492 61977 73061 51388
04062 68561 19240 79099 67845 25207 42531 90690 86008 27803
60030 70706 77389 90151 43179 71081 66721 18265 86287 24310
90443 05023 13582 62704 49442 72007 65012 76112 88313 02708
00016 90189 93837 71501 47061 25842 52405 54065 16633 28046
32858 34485 73047 56678 35865 29689 29618 15890 77052 36613
97818 91642 99575 39750 15794 53628 64839 92901 72829 13318
08375 88936 66921 70770 25506 93952 20591 66367 41852 05279
45257 37719 03953 66559 34444 81629 26877 61912 25821 07383
85185 64731 92903 33767 51698 78442 58831 75471 75964 12381
39593 92886 03336 12189 65191 31471 49865 71607 70523 46227
03433 87194 45536

16261/15961/14861 kHz, 20-03, 0910/0930/0950 UTC

06667 00001 00000 37664

16261/15961/14861 kHz, 22-03, 0910/0930/0950 UTC

06889 00001 00000 41666

16261/15961/14861 kHz, 27-03/29-03, 0910/0930/0950 UTC

00434 00068 66067 31812 98060 51859 93903 83074 14196 38485
26129 08532 59709 29427 06241 03676 25807 71690 52983 90020
11865 73450 93684 69561 18482 05595 50144 12975 01405 62990
24096 26383 79586 17668 35478 86728 64840 02888 72451 80861
72747 12313 49000 69316 74208 71632 80744 79864 91679 94172
18987 39779 05162 02058 16927 13380 69118 70336 45222 60592
51043 86134 89520 04802 05281 78398 23776 06419 46397 26033
00372

12163/10863/9363 kHz, 1600/1620/1640 UTC
--

12163/10863/9363 kHz, 01-03/08-03, 1600/1620/1640 UTC

00469 00140 09640 33024 75524 45140 05432 23690 87727 79520
49696 09307 10659 92167 81808 01661 40115 60681 48547 56444
80255 12178 97212 05740 96437 12531 81272 30260 89471 32317
10453 20479 12721 50376 61725 55621 70668 43402 22455 50093
27150 16697 31901 12747 37948 56004 19783 04437 22011 57518
64127 43822 44110 51310 95577 30163 19993 42560 03535 09284
58738 89010 05052 05459 49223 39855 65150 53667 86190 10589
36682 54840 23074 05861 19143 35115 95153 91186 26566 10068
53025 27425 65774 81506 97164 97450 36208 60478 74444 53865
94726 72400 14610 21080 36008 21707 29349 01527 16303 90537
80423 09797 54717 50359 35409 92074 98668 03382 73095 88696
41787 57377 62711 68046 02313 61305 41113 85674 75858 49996
90663 11319 33816 75677 19246 91958 14974 61215 49041 85489
69151 63275 22622 80846 60581 41665 43854 92597 89789 02234
80753 71939 27720

12163/10863/9363 kHz, 03-03, 1600/1620/1640 UTC

9376 00001 00000 35670

12163/10863/9363 kHz, 08-03, 1600/1620/1640 UTC

09779 00001 00000 41270

12163/10863/9363 kHz, 10-03/15-03, 1600/1620/1640 UTC

00602 00128 02945 96511 21963 16022 59450 98290 56199 83895
29583 56378 85017 42139 07624 56932 59680 82820 12298 61276
65187 03857 18448 48508 74946 54736 82283 99917 16013 63641
87908 37745 24186 26692 45172 15603 99079 41452 09692 90307
71443 22829 99424 03622 33010 51640 00249 31526 55364 22619
27260 37295 62768 19302 42886 18518 18304 80844 51290 48481
09181 95153 37694 23812 21692 43374 31536 14204 22003 69207
81652 90697 60718 36665 82588 15093 46623 12044 73733 13679
64527 16421 38887 10669 11150 78524 12879 62769 23051 19480
76768 62586 72744 08217 28781 53049 21403 55195 85259 91711
81341 88411 62724 36772 01716 81110 78525 42621 67672 64718
29730 52982 93261 27707 60079 33790 57308 21451 23818 50019
53760 50509 46346 24254 31502 57773 39239 38488 83454 81821
07744

12163/10863/9363 kHz, 17-03, 1600/1620/1640 UTC

05082 00001 00000 32265

12163/10863/9363 kHz, 22-03, 1600/1620/1640 UTC

03494 00001 00000 35264

12163/10863/9363 kHz, 24-03/29-03, 1600/1620/1640 UTC

00240 00089 88713 07233 88915 53864 27838 03005 10401 74364
80012 65596 39265 78784 02476 17602 35530 17763 84797 39139
83122 93823 81127 24450 69327 76542 31587 68758 81864 54840
18909 27845 54625 67181 23470 37920 11685 32051 63233 57169
92308 69168 14285 89009 57948 14374 51558 13909 81144 86644

15922 83246 28670 87398 92084 95592 87936 07132 90525 40616
92890 69324 83419 91954 69747 39492 62709 42309 30444 42000
72923 84965 45224 80602 04811 10588 16783 14579 14915 19817
34906 77804 81575 97267 27582 42279 73128 38489 10779 25957
49182 35230

12163/10863/9363 kHz, 31-03, 1600/1620/1640 UTC

06186 00001 00000 34666

13931/14831/16131 kHz, 0800/0820/0840 UTC

13931/14831/16131 kHz, 03-03, 0800/0820/0840 UTC

08140 00001 00000 31654

13931/14831/16131 kHz, 05-03, 0800/0820/0840 UTC

09558 00001 00000 37666

13931/14831/16131 kHz, 10-03/12-03/17-03/19-03, 0800/0820/0840 UTC

05669 00172 62301 03395 26156 17475 87171 50239 88305 41223
83866 12768 03701 07026 41301 40373 72687 71607 57878 03004
50176 80564 19380 64377 81878 04352 11929 51363 85817 56282
08446 10424 80868 76490 53698 16575 62484 50105 51528 09999
44439 11999 23910 15563 28784 50844 02258 44422 15166 26426
05967 81593 68379 59921 09470 26858 65130 04858 93370 02714
94836 67291 31606 95646 66765 18601 15144 51340 39374 26680
74999 21510 57079 81711 55969 07851 60429 77908 36184 82843
49926 69627 50809 80656 23536 25359 57847 65914 78590 70056
76347 97622 90742 68050 05527 12386 09172 39821 32741 03564
34624 59217 54312 19977 44273 49581 05163 09488 96387 38380
99191 46272 46860 34413 32971 30757 02524 93090 70681 73016
47105 44127 45957 89897 21150 97870 05030 21493 58587 76905
41483 81962 47192 81159 76913 71780 65347 23703 78853 58951
72780 13675 55381 01150 43846 55808 73328 17536 80694 64213
57330 61260 05178 93889 98893 42844 34568 83098 84957 41783
83122 95467 63810 65834 36988 33903 74596 31648 44151 41702
51214 99922 18187 51308 00654

13931/14831/16131 kHz, 24-03, 0800/0820/0840 UTC

02290 00001 00000 22254

13931/14831/16131 kHz, 26-03, 0800/0820/0840 UTC

03714 00001 00000 36654

13931/14831/16131 kHz, 31-03, 0800/0820/0840 UTC

09602 00001 00000 35261

18333/16345/14838 kHz, 0910/930/0950 UTC
--

18333/16345/14838 kHz, 03-03/05-03, 0910/930/0950 UTC

01715 00180 26982 24941 65178 44177 41151 41572 85888 66727
04862 59867 58996 76603 40278 19276 65055 54624 93408 12127
14517 78557 53295 22711 78710 53618 44849 14892 74470 57699
24112 36592 32203 77486 88099 41105 49350 11063 64910 67694
60843 93287 31545 33973 41942 19355 66677 47812 99178 30998
82853 72577 20278 24488 41601 86317 28626 70901 80082 15663
25609 65939 22948 02423 57183 89314 79344 77338 34712 11957
92684 88053 38023 80743 33656 27308 83787 37911 57806 14304
70842 67757 81021 42009 33677 19726 77914 48536 31337 34293
94560 13490 51151 26650 89191 06329 81462 48380 60217 20176
54004 47052 42157 01716 52386 65276 10688 69948 92596 17879
68883 49115 28907 99840 41916 70263 49398 99103 07277 90663
97060 65183 78068 48445 00134 17775 50572 37557 42327 76059
08178 65048 44253 71882 41750 17438 13794 13340 25547 68994

35813 76111 88054 52500 01523 01108 56813 30029 16147 04519
95762 58753 84941 76853 80650 57611 11594 31377 70448 73801
98675 58542 38746 21959 72168 79396 41456 91967 16267 63361
24056 02019 64000 38937 75764 16107 83449 57426 33321 74011
83501 07552 57214

18333/16345/14838 kHz, 10-03, 0910/930/0950 UTC

03660 00001 00000 34661

18333/16345/14838 kHz, 12-03, 0910/930/0950 UTC

02834 00001 00000 37255

18333/16345/14838 kHz, 17-03/19-03/24-03/26-03, 0910/930/0950 UTC

05297 00069 90056 44721 52565 31042 90772 55948 09385 18099
15227 49583 27646 66216 94827 19681 92574 88425 70822 79838
77765 35917 38926 17327 16530 90461 50791 62563 78224 30627
10781 10981 13436 28230 40360 15101 43847 71099 93077 63009
13782 44111 98001 53062 20708 10049 75657 62194 97268 07970
78278 75692 37417 56355 50620 27879 08787 83320 38144 77746
28323 37270 80820 90230 31577 04911 78235 35149 74433 84082
02813 30053

18333/16345/14838 kHz, 31-03, 0910/930/0950 UTC

06209 00001 00000 36656

14639/13539/12139 kHz, 1100/1120/1140 UTC

14639/13539/12139 kHz, 04-03/07-03/11-03/14-03, 1100/1120/1140 UTC

00718 00200 48887 08391 31633 58191 94314 19473 18432 50212
56567 36976 12478 97946 97855 26677 66378 09865 91865 87146
13800 61391 49073 89162 01003 59109 43750 75023 60548 90791
33721 41490 08454 62967 77932 70571 41753 24125 75207 68237
52603 28097 19153 44140 42617 50609 71653 22065 89529 72003
41545 24502 37309 09471 44788 26142 64647 01282 59283 66564
89268 11853 90851 33992 09112 44313 80927 59171 82343 31624
44117 78119 96982 22040 35407 18209 80718 45827 24439 78391
71598 92250 56464 55148 13183 01538 47608 83086 14125 14896
96812 57971 05925 97319 81466 31560 38043 35158 28309 33324
80824 09715 84741 45296 66988 06052 80813 01365 76136 38501
64166 70309 42768 52453 43406 48696 05780 03982 36083 75484
59650 70525 41060 36607 46777 85782 39322 02607 87466 60890
47563 03208 09819 78045 61681 19620 70064 96135 38678 10107
54448 61169 52123 27419 75305 07108 13720 72200 00281 39291
79072 50037 14062 08750 96539 93956 98521 36890 46115 14849
60962 70574 89651 45097 59840 78840 78100 76673 21295 65708
63102 08538 51662 21603 94385 74083 33886 56147 85476 97384
63200 22345 12392 03904 65238 29420 24543 46293 35673 23081
97546 31410 78497 05715 32455 78012 62885 49052 14281 73037
71006 97083 16475

14639/13539/12139 kHz, 18-03, 1100/1120/1140 UTC

06296 00001 00000 35267

14639/13539/12139 kHz, 21-03, 1100/1120/1140 UTC

02306 00001 00000 35652

14639/13539/12139 kHz, 25-03/28-03, 1100/1120/1140 UTC

05389 00073 00989 28708 95511 76285 13421 13151 06961 64622
97625 57836 15057 54363 11471 95903 73776 89983 50949 44632
70926 85295 34316 46065 64520 39209 85511 06504 58665 31724
20787 47396 16386 90081 00495 53412 18905 11294 86386 31726
42242 62881 02470 69026 39681 31716 42862 54834 90581 26286
25653 18233 81713 68142 73845 36680 60841 32988 54736 18652

44024 28025 65468 30714 19746 89643 69768 65721 97720 34375
20675 23448 69547 12976 76153 44527

13994/13494/12194 kHz, 1600/1620/1640 UTC / 17464/16203/13931 kHz, 1700/1720/1740 UTC

13994/13494/12194 kHz, 04-03, 1600/1620/1640 UTC

08078 00001 00000 35267

13994/13494/12194 kHz, 06-03, 1600/1620/1640 UTC

04749 00001 00000 41260

13994/13494/12194 kHz, 11-03/13-03, 1600/1620/1640 UTC

08016 00183 40310 09095 86632 22963 87071 22029 55069 87922
03139 88222 03167 50348 01050 33926 28318 25818 18051 02084
81876 10670 10438 06501 46348 25542 54649 14771 87619 21804
40295 31406 72839 11154 47931 52590 59415 52538 53860 95834
47470 67273 23287 09193 33244 70944 80652 73504 99586 81588
83837 99598 30371 16494 12008 30201 59223 96278 89418 50070
91289 31208 54512 30942 80515 97869 17854 62761 48046 72997
09861 48758 53259 01467 60193 63803 57741 03920 39125 08590
79399 73805 05947 79635 57396 63956 93262 15987 85680 45656
68817 58967 08426 90668 40450 04319 40893 67990 45985 58218
45404 61107 97880 26970 94016 98958 98751 84454 73521 46646
97271 08201 55080 81036 55888 41694 42947 96051 85723 41972
40553 65261 80605 87926 65852 80733 57002 73026 81057 38334
29643 27017 50137 99270 76320 33054 28756 27911 35363 89483
14388 08287 21563 30462 83899 76301 04572 13870 43752 45710
80791 01726 08092 87124 56279 76723 72991 38508 35783 17347
57804 07636 67292 21705 70705 66139 92560 62716 13143 70258
44258 89970 20346 90534 46895 12221 82175 19754 01508 19786
39448 80535 80568 36386 32371 24471

13994/13494/12194 kHz, 18-03, 1600/1620/1640 UTC

09576 00001 00000 36670

17464/16203/13931 kHz, 20-03, 1700/1720/1740 UTC

Null message

17464/16203/13931 kHz, 25-03/27-03, 1700/1720/1740 UTC

06768 00097 37232 25243 31938 38243 46921 84090 31809 23272
55095 64642 43298 85440 77440 73994 38554 17943 71826 77338
60451 21273 05823 53495 95631 85788 69064 47362 81385 23878
66750 82463 46719 18533 12326 40255 55276 75530 38880 35051
37744 87575 03157 67860 82746 90134 03308 16761 33776 76998
38221 55536 11493 60828 28239 69262 83630 64634 21104 05948
81657 00969 50838 06627 37652 87004 36055 37899 72506 03366
28645 84337 29602 95961 54006 24174 19388 08550 84845 10212
65680 49275 81484 91570 02630 55307 15928 98020 66868 41693
54777 49715 05772 97922 95507 66984 88087 20095 62714 43703

15861/14431/13431 kHz, 1100/1120/1140 UTC

15861/14431/13431 kHz, 05-03/06-03/12-03/13-03, 1100/1120/1140 UTC

00188 00190 04408 24781 08571 25354 72744 90687 06260 55802
29844 94001 53880 97799 39734 93594 87872 78506 65694 31791
27180 01521 38098 06349 03333 58927 63518 20896 11708 44804
96901 87064 53511 34262 79031 75395 67545 43426 05779 68559
46816 60047 64436 39119 73643 35689 88826 13354 62361 45965
67506 63661 20963 43985 16728 33470 56968 96636 69610 25386
50281 58882 12048 13562 97174 87981 76415 12013 93877 39420
97714 18663 66068 71716 76296 89578 14833 66191 34194 10235
41967 59481 90091 63077 46969 54951 80992 07948 71029 74648
34702 63310 12538 21924 02897 31332 33923 01889 31753 46506

55187 86372 12177 41680 85542 36771 22982 96352 24600 55417
10999 24368 17886 17333 24623 40853 14289 42494 38103 87191
97862 67884 28146 25592 83814 24823 02317 63145 34106 38265
66709 33446 97938 79955 86638 30067 13926 16180 73938 36802
22521 92574 91586 25864 83405 20397 17689 59408 92888 97861
35733 81100 12426 69376 79742 21501 43267 27516 44928 75077
83117 29950 95558 40975 61096 00799 30186 86897 54549 98021
69879 86720 57984 84950 10242 34749 73985 79582 16750 61700
04727 22247 00825 13181 07165 73473 48427 35891 71236 60461
62418 58695 73251

15861/14431/13431 kHz, 19-03, 1100/1120/1140 UTC

07446 00001 00000 36263

15861/14431/13431 kHz, 20-03, 1100/1120/1140 UTC

06176 00001 00000 34665

15861/14431/13431 kHz, 26-03, 1100/1120/1140 UTC

04733 00001 00000 36257

14956/16356/17456 kHz, 1200/1220/1240 UTC

14956/16356/17456 kHz, 05-03/07-03, 1200/1220/1240 UTC

00799 00112 24771 70645 65003 48790 40952 23467 60980 09954
53502 49888 86845 39910 62961 37032 29930 02938 04616 14662
79589 47306 41606 56672 91323 22102 19013 72237 58996 99037
39356 45048 60693 20199 17584 36472 97790 86841 24225 29202
78925 29134 58955 85818 69141 95918 99901 39322 24527 05119
97992 54902 49494 64831 33298 18955 74647 65834 59301 45458
44013 93464 11605 82630 61865 15138 21626 82936 17839 53742
85247 60717 60695 35330 42767 02733 13989 43982 76623 15349
75653 89757 98632 22073 74928 67139 33305 83234 44123 01420
90709 25467 57370 41976 53516 67995 20960 39306 82154 80352
26891 10380 98111 46736 95739 51285 36258 35100 64899 10347
83695 66504 27232 87569 53237

14956/16356/17456 kHz, 12-03/14-03, 1200/1220/1240 UTC

00617 00095 72171 56099 27525 20593 50688 71872 91079 97593
55021 12347 93705 62514 66753 66011 56729 73721 15969 18678
95183 92922 30007 06003 33919 98257 83684 57179 11755 44866
28986 21684 96293 89063 73621 99836 02480 94439 58129 22819
42078 64354 83253 74356 92302 71630 08569 12425 03854 29757
42775 92564 22695 58059 11445 56473 48751 24781 65076 63916
98894 36119 93887 44874 98914 75937 86777 44989 55506 71827
83366 82888 23356 10640 10416 38081 52314 14540 24963 19738
35566 89011 76430 64131 28416 10501 94193 88009 44176 30041
36629 51417 97726 60266 77143 59381 08408 26746

14956/16356/17456 kHz, 19-03/21-03, 1200/1220/1240 UTC

00735 00120 54221 65003 07785 05509 36807 14304 90090 48702
42978 39097 54681 26499 42662 56431 34675 06679 35492 37039
64685 07769 32549 03088 22669 38688 72707 18082 28143 71099
16317 56582 40739 78576 59675 64708 95996 76083 76649 20443
80208 61456 57484 51134 93261 88829 33370 30272 62977 96527
16747 24414 14294 68561 35040 59701 19264 88862 03901 35924
28449 99752 77828 18048 70924 06802 86323 46152 69060 85091
04076 22400 66762 14299 58609 22886 10349 40560 40548 75954
75577 26871 67832 20127 82106 63452 54734 99793 32299 83519
89808 17795 23928 67533 85711 74321 98934 99999 45807 23324
72605 83220 45349 91441 45729 13617 89470 43753 95028 87366
96956 44278 48527 71035 61389 20165 61625 14802 87221 77884
50357 77126 35244

14956/16356/17456 kHz, 26-03/28-03, 1200/1220/1240 UTC

01869 00145 76809 31803 54290 34161 70692 23011 35520 16960
58555 62322 84376 50746 97116 27625 91039 77655 09943 91751
21073 10459 49308 93496 15719 39105 53025 89989 61228 19192
41266 32623 11442 28676 59550 44835 85986 58366 79764 60023
70791 68436 24925 77624 00888 78379 84441 37715 36959 37987
91879 94148 19192 10161 49555 96570 05640 85511 19526 38032
36101 31119 84140 38227 60019 73056 84987 84034 40966 86077
79912 58469 75722 70246 59677 29575 93023 99644 29044 44330
07389 83225 84901 06060 27361 75559 99093 72025 82447 37430
05631 84636 21334 34934 79100 88813 97864 66271 57375 39548
77174 62629 30290 37281 09554 01447 79687 06790 75175 03874
92468 36503 75684 87472 42195 72098 70713 32917 76424 59049
73822 45959 25389 50939 56720 82030 10353 77890 91174 85831
52865 20765 62511 52280 80794 87800 33953 48484 04646 06922
73185 60139 71975 17179 94842 28280 56983 73630

XPB1

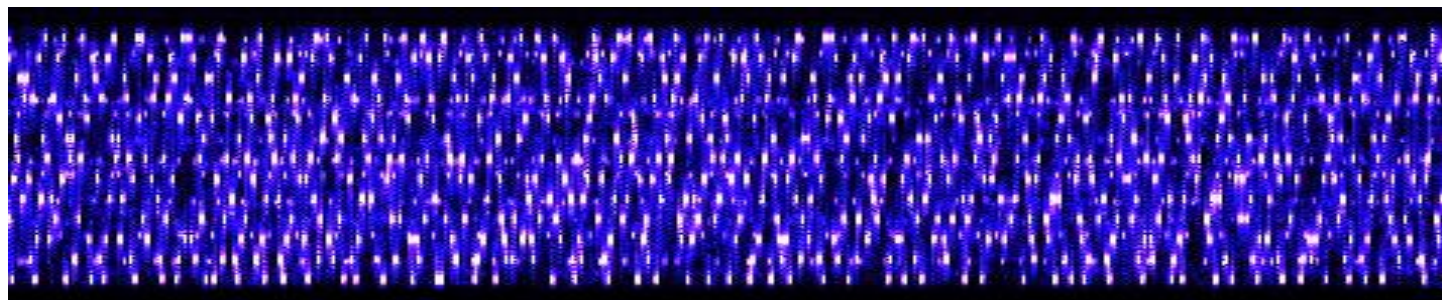
14621 kHz, 01-03/05-03/08-03/12-03/15-03/19-03/22-03/25-03/29-03, 1200 UTC
13921 kHz, 01-03/05-03/08-03/12-03/15-03/19-03/22-03/25-03/29-03, 1210 UTC
13421 kHz, 01-03/05-03/08-03/12-03/15-03/19-03/22-03/25-03/29-03, 1220 UTC
12121 kHz, 01-03/05-03/08-03/12-03/15-03/19-03/22-03/25-03/29-03, 1230 UTC
11121 kHz, 01-03/05-03/08-03/12-03/15-03/19-03/22-03/25-03/29-03, 1240 UTC
10421 kHz, 01-03/05-03/08-03/12-03/15-03/19-03/22-03/25-03/29-03, 1250 UTC

18434 kHz, 03-03/04-03/10-03/11-03/17-03/18-03/24-03/25-03/31-03, 0600 UTC
18234 kHz, 03-03/04-03/10-03/11-03/17-03/18-03/24-03/25-03/31-03, 0610 UTC
17434 kHz, 03-03/04-03/10-03/11-03/17-03/18-03/24-03/25-03/31-03, 0620 UTC
16234 kHz, 03-03/04-03/10-03/11-03/17-03/18-03/24-03/25-03/31-03, 0630 UTC
15834 kHz, 03-03/04-03/10-03/11-03/17-03/18-03/24-03/25-03/31-03, 0640 UTC
14434 kHz, 03-03/04-03/10-03/11-03/17-03/18-03/24-03/25-03/31-03, 0650 UTC

20072 kHz, 04-03/07-03/11-03/14-03/18-03/21-03/25-03/28-03, 1300 UTC
19572 kHz, 04-03/07-03/11-03/14-03/18-03/21-03/25-03/28-03, 1310 UTC
18372 kHz, 04-03/07-03/11-03/14-03/18-03/21-03/25-03/28-03, 1320 UTC
17472 kHz, 04-03/07-03/11-03/14-03/18-03/21-03/25-03/28-03, 1330 UTC
16272 kHz, 04-03/07-03/11-03/14-03/18-03/21-03/25-03/28-03, 1340 UTC
14972 kHz, 04-03/07-03/11-03/14-03/18-03/21-03/25-03/28-03, 1350 UTC

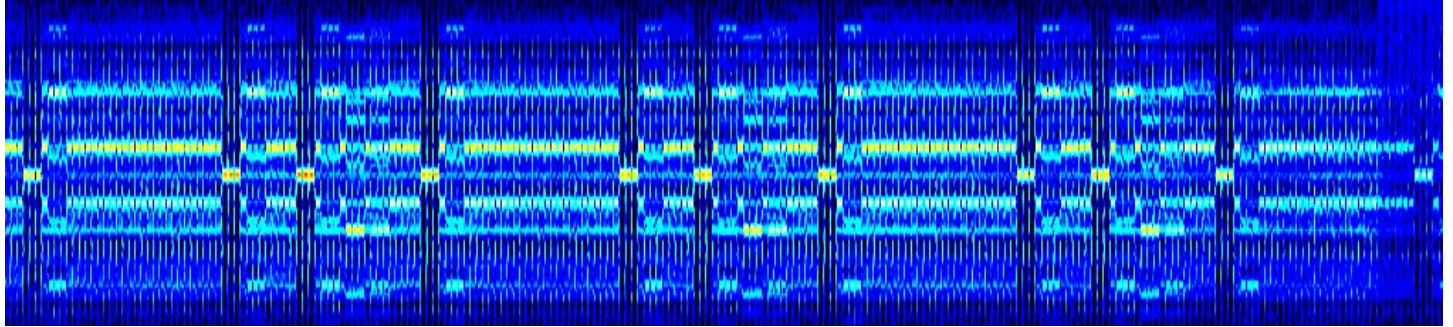
X-- Russian intelligence

18569 kHz, 17-03, 0843 UTC	14383 kHz, 18-03, 1410 UTC	14376 kHz, 21-03, 0634 UTC	18541 kHz, 28-03, 1406 UTC
16274 kHz, 17-03, 0847 UTC	13397 kHz, 18-03, 1414 UTC	19258 kHz, 24-03, 0741 UTC	17524 kHz, 28-03, 1410 UTC
19083 kHz, 17-03, 0848 UTC	12889 kHz, 18-03, 1514 UTC	17526 kHz, 24-03, 0744 UTC	13891 kHz, 28-03, 1413 UTC
15674 kHz, 17-03, 0856 UTC	17423 kHz, 20-03, 1337 UTC	15626 kHz, 24-03, 0748 UTC	19813 kHz, 28-03, 1458 UTC
13837 kHz, 17-03, 0859 UTC	17423 kHz, 20-03, 1554 UTC	13394 kHz, 24-03, 0905 UTC	18541 kHz, 28-03, 1500 UTC
20836 kHz, 18-03, 1220 UTC	16172 kHz, 20-03, 1341 UTC	13891 kHz, 28-03, 0714 UTC	17524 kHz, 28-03, 1506 UTC
13416 kHz, 18-03, 1236 UTC	18648 kHz, 20-03, 1549 UTC	13891 kHz, 28-03, 0810 UTC	13891 kHz, 28-03, 1510 UTC
18237 kHz, 18-03, 1400 UTC	18648 kHz, 20-03, 1334 UTC	18541 kHz, 28-03, 1009 UTC	
17443 kHz, 18-03, 1403 UTC	19457 kHz, 20-03, 1330 UTC	17524 kHz, 28-03, 1013 UTC	
15937 kHz, 18-03, 1407 UTC	15834 kHz, 21-03, 0628 UTC.	19813 kHz, 28-03, 1405 UTC	



XSL - Japan Maritime Self-Defense Force (海上自衛隊 Kaijō Jieitai)

4153 kHz, 29-03, 1721 UTC, QPSK 1500Bd
4231.5 kHz, 29-03, 1721 UTC, QPSK 1500Bd
4291 kHz, 29-03, 1721 UTC, QPSK 1500Bd
6250 kHz, 29-03, 1721 UTC, QPSK 1500Bd
6417 kHz, 29-03, 1721 UTC, QPSK 1500Bd
6445 kHz, 29-03, 1721 UTC, QPSK 1500Bd
8313 kHz, 29-03, 1721 UTC, QPSK 1500Bd
8588 kHz, 29-03, 1721 UTC, QPSK 1500Bd
8703.5 kHz, 29-03, 1721 UTC, QPSK 1500Bd



DIPLOMATIC STATIONS

Diplomatic stations: Bulgaria

14755 kHz, 06-03, 0922 UTC, RFSM-8000
18515 kHz, 06-03, 1123 UTC, RFSM-8000
17440 kHz, 06-03, 1321 UTC, RFSM-8000
18455 kHz, 06-03, 1351 UTC, RFSM-8000
20955 kHz, 06-03, 1500 UTC, RFSM-8000
14755 kHz, 07-03, 0717 UTC, RFSM-8000
17440 kHz, 07-03, 1325 UTC, RFSM-8000
18455 kHz, 07-03, 1356 UTC, RFSM-8000
18515 kHz, 07-03, 1121 UTC, RFSM-8000
20955 kHz, 07-03, 1500 UTC, RFSM-8000
14755 kHz, 07-03, 0926 UTC, RFSM-8000
17440 kHz, 07-03, 1323 UTC, RFSM-8000
18455 kHz, 07-03, 1354 UTC, RFSM-8000
18515 kHz, 07-03, 0855 UTC, RFSM-8000
20955 kHz, 07-03, 1416 UTC, RFSM-8000
14755 kHz, 12-03, 0922 UTC, RFSM-8000
17440 kHz, 12-03, 1321 UTC, RFSM-8000
18455 kHz, 12-03, 1358 UTC, RFSM-8000
18515 kHz, 12-03, 1125 UTC, RFSM-8000
20955 kHz, 12-03, 1457 UTC, RFSM-8000
14755 kHz, 14-03, 0935 UTC, RFSM-8000
18455 kHz, 14-03, 1356 UTC, RFSM-8000

18515 kHz, 14-03, 1122 UTC, RFSM-8000
14755 kHz, 17-03, 0924 UTC, RFSM-8000
17440 kHz, 17-03, 1323 UTC, RFSM-8000
18455 kHz, 17-03, 1355 UTC, RFSM-8000
18515 kHz, 17-03, 1123 UTC, RFSM-8000
20955 kHz, 17-03, 1454 UTC, RFSM-8000
17440 kHz, 20-03, 1319 UTC, RFSM-8000
18455 kHz, 20-03, 1113 UTC, RFSM-8000
18515 kHz, 20-03, 1123 UTC, RFSM-8000
16385 kHz, 24-03, 0834 UTC, RFSM-8000
14755 kHz, 24-03, 0922 UTC, RFSM-8000
18455 kHz, 24-03, 1358 UTC, RFSM-8000
18515 kHz, 24-03, 1122 UTC, RFSM-8000
20955 kHz, 24-03, 1457 UTC, RFSM-8000
18455 kHz, 25-03, 1357 UTC, RFSM-8000
18515 kHz, 25-03, 1128 UTC, RFSM-8000
14755 kHz, 28-03, 0925 UTC, RFSM-8000
17440 kHz, 28-03, 1322 UTC, RFSM-8000
18455 kHz, 28-03, 1356 UTC, RFSM-8000
18515 kHz, 28-03, 1129 UTC, RFSM-8000
20955 kHz, 28-03, 1452 UTC, RFSM-8000

Diplomatic stations: Egypt

20056.7 kHz, 04-03, 1318 UTC, SITOR-A 100/170
20055.0 kHz, 04-03, 1321 UTC, CODAN
19100.0 kHz, 06-03, 0810 UTC, CODAN
19101.7 kHz, 06-03, 0839 UTC, SITOR-A 100/170
19100.0 kHz, 06-03, 0840 UTC, CODAN
19101.7 kHz, 06-03, 0917 UTC, SITOR-A 100/170
19100.0 kHz, 06-03, 0918 UTC, CODAN
19101.7 kHz, 06-03, 0937 UTC, SITOR-A 100/170

MFA Cairo clg RCVB: Russian embassy Washington
99903: MFA Cairo wkg 66601: Russian embassy Washington
99901: MFA Cairo wkg 44405: Egyptian embassy Islamabad
MFA Cairo clg OOV: Egyptian embassy Islamabad
99901: MFA Cairo wkg 44405: Egyptian embassy Islamabad
Egyptian embassy New Delhi clg SSTB: MFA Cairo
44406: Egyptian embassy New Delhi wkg 99901: MFA Cairo
Egyptian embassy New Delhi clg SSTB: MFA Cairo

19100.0 kHz, 06-03, 0939 UTC, CODAN
 20036.7 kHz, 06-03, 1021 UTC, SITOR-A 100/170
 20036.7 kHz, 06-03, 1022 UTC, SITOR-A 100/170
 20056.7 kHz, 06-03, 1313 UTC, SITOR-A 100/170
 20055.0 kHz, 06-03, 1315 UTC, CODAN
 20056.7 kHz, 10-03, 1252 UTC, SITOR-A 100/170
 20056.7 kHz, 10-03, 1254 UTC, SITOR-A 100/170
 20055.0 kHz, 10-03, 1255 UTC, CODAN
 20056.7 kHz, 11-03, 1346 UTC, SITOR-A 100/170
 20056.7 kHz, 11-03, 1348 UTC, SITOR-A 100/170
 20055.0 kHz, 11-03, 1349 UTC, CODAN
 20055.0 kHz, 11-03, 1350 UTC, CODAN
 20056.7 kHz, 11-03, 1432 UTC, SITOR-A 100/170
 20055.0 kHz, 11-03, 1433 UTC, CODAN
 20036.7 kHz, 12-03, 1240 UTC, SITOR-A 100/170
 20056.7 kHz, 13-03, 1138 UTC, SITOR-A 100/170
 20056.7 kHz, 13-03, 1140 UTC, SITOR-A 100/170
 20055.0 kHz, 13-03, 1142 UTC, CODAN
 19101.7 kHz, 17-03, 0755 UTC, SITOR-A 100/170
 19101.0 kHz, 17-03, 0755 UTC, CODAN
 20056.7 kHz, 17-03, 1441 UTC, SITOR-A 100/170
 20055.0 kHz, 17-03, 1441 UTC, CODAN
 20056.7 kHz, 18-03, 1442 UTC, SITOR-A 100/170
 20055.0 kHz, 18-03, 1443 UTC, CODAN
 19101.7 kHz, 20-03, 0800 UTC, SITOR-A 100/170
 19101.0 kHz, 20-03, 0803 UTC, CODAN
 20056.7 kHz, 26-03, 1502 UTC, SITOR-A 100/170
 20055.0 kHz, 26-03, 1503 UTC, CODAN
 20056.7 kHz, 26-03, 1523 UTC, SITOR-A 100/170

99901: MFA Cairo wkg 44406: Egyptian embassy New Delhi
 Egyptian embassy Conakry clg SSTU: MFA Cairo
 MFA Cairo wkg KKVD: Egyptian embassy Conakry
 MFA Cairo clg RCVB: Egyptian embassy Washington
 99903: MFA Cairo wkg 66601: Egyptian embassy Washington
 MFA Cairo clg RCVB: Egyptian embassy Washington
 Egyptian embassy Washington clg SSTE: MFA Cairo
 66601: Egyptian embassy Washington wkg 99903: MFA Cairo
 MFA Cairo clg RCVB: Egyptian embassy Washington
 Egyptian embassy Washington clg SSTE: MFA Cairo
 66601: Egyptian embassy Washington connecting to 99903: MFA Cairo
 99903: MFA Cairo wkg 66601: Egyptian embassy Washington
 MFA Cairo clg OOV: Egyptian embassy Islamabad
 99901: MFA Cairo wkg 44405: Egyptian embassy Islamabad
 MFA Cairo clg KKVA: Egyptian embassy Lagos
 MFA Cairo clg OOV: Egyptian embassy Islamabad
 Egyptian embassy Islamabad clg SSVX for a while, then SSTB: MFA Cairo
 99901: MFA Cairo wkg 44405: Egyptian embassy Islamabad
 MFA Cairo clg OOV: Egyptian embassy Islamabad
 99901: MFA Cairo wkg 44405: Egyptian embassy Islamabad
 MFA Cairo clg OOV: Egyptian embassy Islamabad
 99901: MFA Cairo wkg 44405: Egyptian embassy Islamabad
 MFA Cairo clg OOV: Egyptian embassy Islamabad
 99901: MFA Cairo wkg 44405: Egyptian embassy Islamabad
 MFA Cairo clg OOV: Egyptian embassy New Delhi
 99901: MFA Cairo wkg 44406: Egyptian embassy New Delhi
 Egyptian embassy New Delhi clg SSTB: MFA Cairo
 44406: Egyptian embassy wkg 99901: MFA Cairo
 Unid embassy wkg clg SSTB: MFA Cairo KY KY UII+? KY KY SSTB SSTB NN+

Diplomatic stations: North Korea

14300 kHz, 04-03, 0733 UTC, DPRK-ARQ 600/600 LSB
 15500 kHz, 04-03, 0804 UTC, DPRK-ARQ 600/600 LSB
 16252 kHz, 04-03, 1231 UTC, DPRK-ARQ 600/600 LSB
 16252 kHz, 04-03, 1259 UTC, DPRK-ARQ 600/600 LSB
 14600 kHz, 04-03, 1333 UTC, DPRK-ARQ 1200/600 LSB
 18650 kHz, 04-03, 1230 UTC, DPRK-ARQ 600/600 LSB
 18650 kHz, 04-03, 1258 UTC, DPRK-ARQ 600/600 LSB
 15500 kHz, 04-03, 1331 UTC, DPRK-ARQ 600/600 LSB
 15500 kHz, 05-03, 0808 UTC, DPRK-ARQ 600/600 LSB
 16252 kHz, 06-03, 0633 UTC, DPRK-ARQ 600/600 LSB

16252 kHz, 06-03, 0646 UTC, DPRK-ARQ 600/600 LSB

13200 kHz, 06-03, 0633 UTC, DPRK-ARQ 600/600 LSB

14300 kHz, 06-03, 0656 UTC, DPRK-ARQ 600/600 LSB

DPRK embassy Moscow wkg DPRK embassy Berlin
 DPRK embassy Moscow wkg DPRK embassy Bucharest
 DPRK embassy Moscow wkg DPRK embassy Rome
 DPRK embassy Moscow wkg DPRK Permanent Mission to the UN, Geneva
 DPRK embassy Rome wkg DPRK embassy Moscow
 DPRK embassy Rome wkg DPRK embassy Moscow
 DPRK embassy Moscow wkg DPRK embassy Cairo
 DPRK embassy Moscow wkg DPRK embassy Bucharest
 DPRK embassy Moscow wkg DPRK embassy Bucharest
 DPRK embassy Moscow wkg DPRK Permanent Mission to the UN, Geneva

DPRK embassy Moscow. Message 684 to DPRK embassy Rome

Message 684, 60 groups

55442 13955 02658 50784 25555 92457 04453 16105 84975 36576
 90668 33456 84105 70730 27593 50710 58288 12113 53051 60478
 37152 91748 36970 34275 00687 49956 59087 31049 51578 18619
 48774 11953 21494 28970 01768 28012 54460 82902 97937 53145
 09807 59219 29118 95100 23111 08669 90175 56343 58656 04302
 27718 76153 64522 78604 38634 05218 21651 84419 78033 79766

DPRK embassy Moscow wkg DPRK embassy Sofia

DPRK embassy Moscow. Message 61 to DPRK embassy Vienna

Message 61, 57 groups

13900 00000 05291 35395 28465 12139 76552 86323 23697 85687
 68367 53985 15646 94223 03950 30679 68031 69549 36269 96059
 68414 04151 21129 59714 21510 58660 36053 98409 55808 60842
 72065 61930 54888 10112 22504 33389 54087 06619 43259 19642
 22315 71374 42223 15713 74486 10553 28969 49826 12960 12797
 50735 78820 98601 92169 73565 72685 24918

13200 kHz, 06-03, 0700 UTC, DPRK-ARQ 600/600 LSB
15500 kHz, 06-03, 0803 UTC, DPRK-ARQ 600/600 LSB
18650 kHz, 06-03, 1230 UTC, DPRK-ARQ 600/600 LSB
18650 kHz, 06-03, 1301 UTC, DPRK-ARQ 600/600 LSB

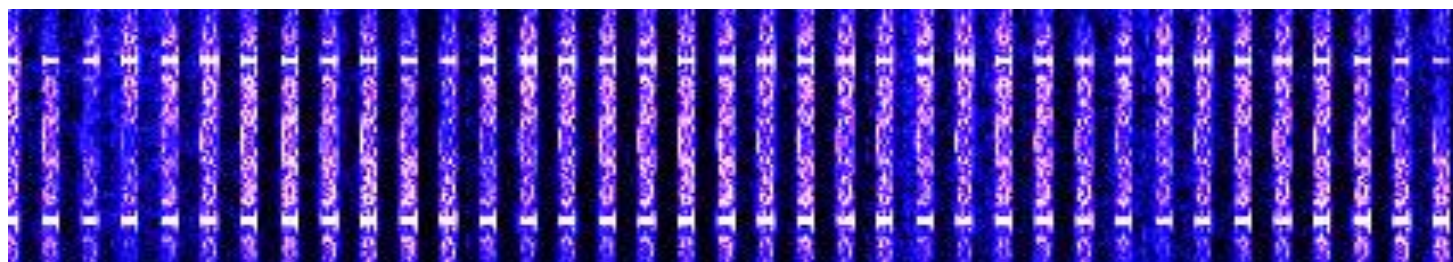
16252 kHz, 06-03, 1229 UTC, DPRK-ARQ 600/600 LSB

DPRK embassy Moscow msg to DPRK embassy Warsaw
DPRK embassy Moscow msg to DPRK embassy Bucharest
DPRK embassy Rome msg to DPRK embassy Moscow
DPRK embassy Moscow msg to DPRK embassy Cairo

DPRK embassy Moscow 3 messages to DPRK embassy Rome
Message 57, 41 groups
42386 63542 28261 80335 42282 61802 08664 22461 67724 33388
45418 10426 10562 00257 85361 23833 29708 62024 68930 94234
18381 37812 64884 54272 79914 55907 09444 68260 83335 32641
66859 79453 04167 51817 38213 44107 53835 95365 78695 61900
96569

Message 691, 87 groups
13673 56413 02590 37443 69137 23605 37052 56118 27616 37607
80269 41243 11565 18647 52113 42249 42843 07799 59876 21460
83911 64367 69758 04377 93409 66405 22707 54786 93985 86727
16314 21192 21163 14211 92210 14254 08099 55363 13890 07493
55280 64152 28101 59663 48838 84506 21211 71926 65572 81719
26645 32817 19266 55728 72663 55046 98760 27944 91421 62052
55923 92467 83998 03751 56390 32629 54036 99904 97623 94602
03538 38245 12744 77631 45168 90818 50048 03850 64147 02123
42549 10425 86724 31308 33288 90722 75892

Message 958, 44 groups
37577 32637 81576 49826 77376 27937 35164 60409 81391 41489
03969 09296 03768 10677 39918 50632 13186 93422 13051 20404
30056 82381 48515 22414 27540 49149 87183 92593 66618 95137
85388 31983 27043 34383 73445 16847 25945 65910 92360 49965
51002 20941 23215 78056



16252 kHz, 06-03, 1300 UTC, DPRK-ARQ 600/600 LSB
16252 kHz, 11-03, 0635 UTC, DPRK-ARQ 600/600 LSB

18650 kHz, 11-03, 0637 UTC, DPRK-ARQ 600/600 LSB
13200 kHz, 11-03, 0638 UTC, DPRK-ARQ 600/600 LSB
14300 kHz, 11-03, 0701 UTC, DPRK-ARQ 600/600 LSB
13200 kHz, 11-03, 0705 UTC, DPRK-ARQ 600/600 LSB
14200 kHz, 11-03, 0737 UTC, DPRK-ARQ 600/600 LSB
14222 kHz, 11-03, 0804 UTC, DPRK-ARQ 600/600 LSB
15500 kHz, 11-03, 0804 UTC, DPRK-ARQ 600/600 LSB
14300 kHz, 11-03, 1205 UTC, DPRK-ARQ 600/600 LSB
16252 kHz, 11-03, 1217 UTC, DPRK-ARQ 600/600 LSB
16252 kHz, 11-03, 1243 UTC, DPRK-ARQ 1200/600 LSB
16252 kHz, 11-03, 1302 UTC, DPRK-ARQ 600/600 LSB

18650 kHz, 11-03, 1302 UTC, DPRK-ARQ 600/600 LSB
14300 kHz, 11-03, 1304 UTC, DPRK-ARQ 600/600 LSB
16252 kHz, 11-03, 1307 UTC, DPRK-ARQ 600/600 LSB

13222 kHz, 12-03, 0727 UTC, DPRK-ARQ 600/600 LSB
13200 kHz, 12-03, 0752 UTC, DPRK-ARQ 600/600 LSB
16300 kHz, 12-03, 1239 UTC, DPRK-ARQ 600/600 LSB

DPRK embassy Moscow wkg DPRK Permanent Mission to the UN, Geneva
DPRK embassy Moscow msg to DPRK Permanent Mission to the UN, Geneva
DPRK embassy Moscow msg to DPRK embassy Cairo
DPRK embassy Moscow msg to DPRK embassy Sofia
DPRK embassy Moscow msg #737 and #738 to DPRK embassy Vienna
DPRK embassy Moscow msg to DPRK embassy Warsaw
DPRK embassy Moscow msg to DPRK embassy Prague
Unid DPRK embassy clg DPRK embassy Moscow
DPRK embassy Moscow msg #737 and #738 to DPRK embassy Bucharest
DPRK embassy Moscow msg #57 to DPRK embassy Berlin
DPRK embassy Moscow msg #61 and #62 to DPRK embassy Rome
DPRK embassy Rome wkg DPRK embassy Moscow
DPRK embassy Moscow 4 msgs to DPRK Permanent Mission to the UN, Geneva
DPRK embassy Moscow msg #44 to DPRK embassy Cairo
DPRK embassy Moscow msg #57 to DPRK embassy Berlin
DPRK embassy Moscow msg #737 and #738 to DPRK Permanent Mission to the UN, Geneva
Unid embassy wkg DPRK embassy Moscow
DPRK embassy Moscow clg DPRK embassy Warsaw
DPRK embassy Moscow wkg DPRK embassy Rome

18650 kHz, 12-03, 1232 UTC, DPRK-ARQ 600/600 LSB
18650 kHz, 12-03, 1257 UTC, DPRK-ARQ 600/600 LSB
16252 kHz, 12-03, 1304 UTC, DPRK-ARQ 600/600 LSB
13200 kHz, 12-03, 1334 UTC, DPRK-ARQ 600/600 LSB
15500 kHz, 12-03, 1335 UTC, DPRK-ARQ 600/600 LSB
17420 kHz, 12-03, 1513 UTC, DPRK-ARQ 1200/600 LSB
14300 kHz, 13-03, 0700 UTC, DPRK-ARQ 600/600 LSB
14300 kHz, 13-03, 0729 UTC, DPRK-ARQ 600/600 LSB
15500 kHz, 13-03, 0806 UTC, DPRK-ARQ 600/600 LSB
14300 kHz, 13-03, 1206 UTC, DPRK-ARQ 600/600 LSB

16252 kHz, 13-03, 1258 UTC, DPRK-ARQ 600/600 LSB

18650 kHz, 14-03, 1234 UTC, DPRK-ARQ 600/600 LSB
16252 kHz, 14-03, 1235 UTC, DPRK-ARQ 1200/600 LSB
18650 kHz, 14-03, 1250 UTC, DPRK-ARQ 600/600 LSB
14200 kHz, 16-03, 0734 UTC, DPRK-ARQ 600/600 LSB
16252 kHz, 17-03, 1246 UTC, DPRK-ARQ 1200/600 LSB
16250 kHz, 17-03, 1300 UTC, DPRK-ARQ 1200/600 LSB
18650 kHz, 17-03, 1310 UTC, DPRK-ARQ 600/600 LSB
16252 kHz, 17-03, 1350 UTC, DPRK-ARQ 600/600 LSB
16252 kHz, 17-03, 1353 UTC, DPRK-ARQ 600/600 LSB
18650 kHz, 17-03, 1402 UTC, DPRK-ARQ 600/600 LSB
18650 kHz, 18-03, 0630 UTC, DPRK-ARQ 600/600 LSB
16252 kHz, 18-03, 0631 UTC, DPRK-ARQ 600/600 LSB
13200 kHz, 18-03, 0636 UTC, DPRK-ARQ 600/600 LSB
16252 kHz, 18-03, 0639 UTC, DPRK-ARQ 600/600 LSB
16950 kHz, 18-03, 0722 UTC, DPRK-ARQ 600/600 LSB
18655 kHz, 18-03, 0722 UTC, DPRK-ARQ 600/600 LSB
16252 kHz, 18-03, 0723 UTC, DPRK-ARQ 600/600 LSB
19120 kHz, 18-03, 0730 UTC, DPRK-ARQ 600/600 LSB
16252 kHz, 18-03, 0749 UTC, DPRK-ARQ 600/600 LSB
18120 kHz, 18-03, 1242 UTC, DPRK-ARQ 1200/600 LSB
15500 kHz, 18-03, 1332 UTC, DPRK-ARQ 600/600 LSB
14300 kHz, 19-03, 0730 UTC, DPRK-ARQ 600/600 LSB
15500 kHz, 19-03, 0805 UTC, DPRK-ARQ 600/600 LSB
20003 kHz, 20-03, 1206 UTC, DPRK-ARQ 1200/600 LSB
16252 kHz, 20-03, 1206 UTC, DPRK-ARQ 600/600 LSB
14300 kHz, 20-03, 1229 UTC, DPRK-ARQ 600/600 LSB
16252 kHz, 20-03, 1302 UTC, DPRK-ARQ 600/600 LSB
16252 kHz, 21-03, 0630 UTC, DPRK-ARQ 600/600 LSB

DPRK embassy Rome wkg DPRK embassy Moscow
DPRK embassy Moscow 3 msgs to DPRK embassy Cairo
DPRK embassy Moscow clg DPRK Permanent Mission to the UN, Geneva
DPRK embassy Moscow msg to DPRK embassy Sofia
DPRK embassy Moscow msg to DPRK embassy Bucharest
DPRK embassy Rome wkg DPRK embassy Moscow
DPRK embassy Moscow clg DPRK embassy Vienna
DPRK embassy Moscow clg DPRK embassy Berlin
DPRK embassy Moscow clg DPRK embassy Bucharest
DPRK embassy Moscow clg DPRK embassy Berlin

DPRK embassy Moscow msgs 129 and 130 to DPRK Permanent Mission to the UN, Geneva

Message 129, 78 groups

38542 84638 30475 86903 97383 32066 70466 24481 79686 97909
28879 93584 24305 12987 63101 99855 81777 21803 05721 61016
19239 31187 81408 12882 58719 99979 83928 03799 79839 28037
04406 97750 66583 20403 55955 75449 11724 65336 89724 41716
69918 46118 03649 04686 53954 41555 82244 07318 89493 16452
54848 27230 20958 70110 30051 82370 94331 89474 96246 13360
52254 38391 22437 59383 91224 37593 83912 24375 93839 12243
75947 29855 69416 86289 71680 77238 46029 89698

Message 130, 100 groups

13102 00113 91890 24462 59139 92795 47240 25740 25523 78853
67255 51732 43310 34506 07325 69209 16275 08026 67736 77061
14205 22985 58967 01655 46589 67016 55468 45526 24850 48470
71836 92301 36131 76878 98970 70201 73224 40645 78481 07646
54769 57354 23655 50245 64353 83096 98356 86333 90639 69891
94896 35861 68428 89732 38786 54039 56356 95409 84724 86674
44311 30196 33482 46141 92957 07993 95243 09060 76090 15428
74317 11551 85227 38512 50758 12688 50810 51313 53243 33564
36935 73518 69631 94155 58713 28076 89643 82040 93929 34511
58820 69168 09026 30003 33242 41535 99634 63963 19580 72545

DPRK embassy Rome wkg DPRK embassy Moscow
DPRK embassy Rome wkg DPRK embassy Moscow
DPRK embassy Rome wkg DPRK embassy Moscow
DPRK embassy Moscow clg DPRK embassy Prague
DPRK embassy Rome wkg DPRK embassy Moscow
Unid embassy clg DPRK embassy Moscow
DPRK embassy Moscow wkg DPRK embassy Cairo
Unid embassy wkg DPRK embassy Moscow
DPRK embassy Moscow wkg DPRK embassy Sofia
DPRK embassy Moscow wkg DPRK embassy Cairo
DPRK embassy Moscow wkg DPRK embassy Cairo
DPRK embassy Moscow wkg DPRK Permanent Mission to the UN, Geneva
DPRK embassy Moscow clg DPRK embassy Sofia
DPRK embassy Moscow wkg DPRK embassy Rome
DPRK embassy Rome wkg DPRK embassy Moscow
Unid embassy wkg DPRK embassy Moscow
DPRK embassy Moscow wkg DPRK embassy Rome
DPRK embassy Rome wkg DPRK embassy Moscow
DPRK embassy Moscow wkg DPRK Permanent Mission to the UN, Geneva
DPRK embassy Rome wkg DPRK embassy Moscow
DPRK embassy Moscow wkg DPRK embassy Bucharest
DPRK embassy Moscow wkg DPRK embassy Berlin
DPRK embassy Moscow wkg DPRK embassy Bucharest
DPRK embassy Rome wkg DPRK embassy Moscow
DPRK embassy Moscow wkg DPRK embassy Stockholm
DPRK embassy Moscow wkg DPRK embassy Vienna
DPRK embassy Moscow wkg DPRK Permanent Mission to the UN, Geneva
DPRK embassy Moscow wkg DPRK Permanent Mission to the UN, Geneva

18650 kHz, 21-03, 1234 UTC, DPRK-ARQ 600/600 LSB
 18120 kHz, 21-03, 1234 UTC, DPRK-ARQ 600/600 LSB
 16252 kHz, 25-03, 0631 UTC, DPRK-ARQ 600/600 LSB
 18250 kHz, 25-03, 0658 UTC, DPRK-ARQ 1200/600 LSB
 18120 kHz, 25-03, 0659 UTC, DPRK-ARQ 600/600 LSB
 18120 kHz, 25-03, 0702 UTC, DPRK-ARQ 600/600 LSB
 14300 kHz, 25-03, 0702 UTC, DPRK-ARQ 600/600 LSB
 18120 kHz, 25-03, 0703 UTC, DPRK-ARQ 1200/600 LSB
 18120 kHz, 25-03, 0705 UTC, DPRK-ARQ 1200/600 LSB
 18650 kHz, 25-03, 0706 UTC, DPRK-ARQ 600/600 LSB
 18655 kHz, 25-03, 1234 UTC, DPRK-ARQ 600/600 LSB
 18120 kHz, 25-03, 1249 UTC, DPRK-ARQ 600/600 LSB
 15500 kHz, 26-03, 0803 UTC, DPRK-ARQ 600/600 LSB
 14650 kHz, 26-03, 1233 UTC, DPRK-ARQ 600/600 LSB
 18120 kHz, 26-03, 1237 UTC, DPRK-ARQ 600/600 LSB
 18650 kHz, 26-03, 1237 UTC, DPRK-ARQ 600/600 LSB
 15500 kHz, 26-03, 1329 UTC, DPRK-ARQ 600/600 LSB
 16300 kHz, 30-03, 0644 UTC, DPRK-ARQ 600/600 LSB
 15500 kHz, 30-03, 0804 UTC, DPRK-ARQ 600/600 LSB
 18120 kHz, 31-03, 0634 UTC, DPRK-ARQ 600/600 LSB
 14300 kHz, 31-03, 0658 UTC, DPRK-ARQ 600/600 LSB
 13200 kHz, 31-03, 0708 UTC, DPRK-ARQ 600/600 LSB
 18120 kHz, 31-03, 0756 UTC, DPRK-ARQ 600/600 LSB

15500 kHz, 31-03, 0807 UTC, DPRK-ARQ 600/600 LSB

DPRK embassy Rome wkg DPRK embassy Moscow
 DPRK embassy Moscow wkg DPRK embassy Rome
 DPRK embassy Moscow skg DPRK Permanent Mission to the UN, Geneva
 DPRK embassy Rome wkg DPRK embassy Moscow
 DPRK embassy Moscow wkg DPRK embassy Cairo
 DPRK embassy Moscow wkg DPRK embassy Stockholm
 DPRK embassy Moscow wkg DPRK embassy Vienna
 DPRK embassy Rome wkg DPRK embassy Moscow
 DPRK embassy Moscow wkg DPRK embassy Rome
 DPRK embassy Rome wkg DPRK embassy Moscow
 DPRK embassy Rome wkg DPRK embassy Moscow
 DPRK embassy Moscow wkg DPRK embassy Rome
 DPRK embassy Moscow wkg DPRK embassy Bucharest
 Unid DPRK embassy wkg DPRK embassy Moscow
 DPRK embassy Moscow wkg DPRK embassy Rome
 DPRK embassy Rome wkg DPRK embassy Moscow
 DPRK embassy Moscow wkg DPRK embassy Bucharest
 DPRK embassy Moscow wkg DPRK embassy Sofia
 DPRK embassy Moscow wkg DPRK embassy Bucharest
 DPRK embassy Moscow wkg DPRK embassy Rome
 DPRK embassy Moscow wkg DPRK embassy Vienna
 DPRK embassy Moscow msg 30 to DPRK embassy Warsaw
 DPRK embassy Moscow wkg DPRK embassy Rome

DPRK embassy Moscow msg 979 to DPRK embassy Bucharest
 Message 979, 102 groups
 20916 77920 76843 33117 38208 83669 17382 00660 53751 42786
 66740 26829 70853 55360 03639 37307 00141 71910 20383 49042
 11602 23915 23149 64622 61953 51581 92682 76316 73860 35278
 41847 07845 26106 49358 66131 92322 33400 60587 85419 51220
 94066 54134 41011 65449 90104 15614 05507 77890 23796 71157
 64551 83348 41523 55606 28590 85715 96700 71757 09831 44686
 75857 37592 02233 10107 13760 08798 05684 25458 26260 61123
 35034 46731 32473 66771 37862 97406 41241 91216 14814 43589
 76865 20270 45707 32367 02784 09374 72386 64900 12436 88106
 14469 22490 40592 36887 30985 90980 63287 89205 40917 95352
 63839 49446

12943 kHz, 31-03, 1213 UTC, DPRK-ARQ 600/600 LSB
 16030 kHz, 31-03, 1216 UTC, DPRK-ARQ 600/600 LSB

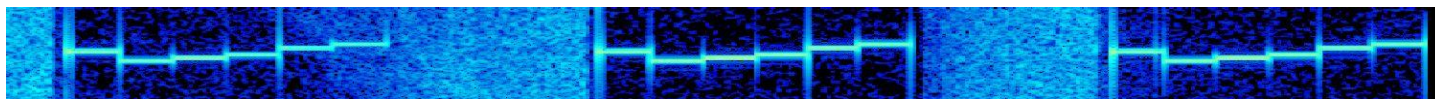
Unid DPRK embassy wkg DPRK embassy Moscow
 DPRK embassy Moscow wkg DPRK embassy Stockholm

Diplomatic stations: Russia

17523 kHz, 03-03, 0847 UTC, MFSK-6
 18527 kHz, 04-03, 0856 UTC, MFSK-6
 13401 kHz, 04-03, 0932 UTC, MFSK-6
 14501 kHz, 05-03, 1556 UTC, MFSK-6
 14711 kHz, 05-03, 0920 UTC, MFSK-66
 17445 kHz, 05-03, 0923 UTC, MFSK-6
 16112 kHz, 05-03, 1242 UTC, MFSK-66
 16028 kHz, 06-03, 0739 UTC, Serdolik v2
 16026 kHz, 06-03, 0740 UTC, Serdolik v2
 16026 kHz, 06-03, 0756 UTC, Serdolik v2
 17534 kHz, 06-03, 0754 UTC, MFSK-6
 12219 kHz, 06-03, 0812 UTC, MFSK-6
 16316 kHz, 06-03, 1215 UTC, Serdolik v2
 16316 kHz, 06-03, 1219 UTC, Serdolik v2
 16316 kHz, 06-03, 1222 UTC, Serdolik v2
 16316 kHz, 06-03, 1225 UTC, Serdolik v2
 16316 kHz, 06-03, 1229 UTC, Serdolik v2
 16314 kHz, 06-03, 1231 UTC, Serdolik v2
 16314 kHz, 06-03, 1237 UTC, Serdolik v2

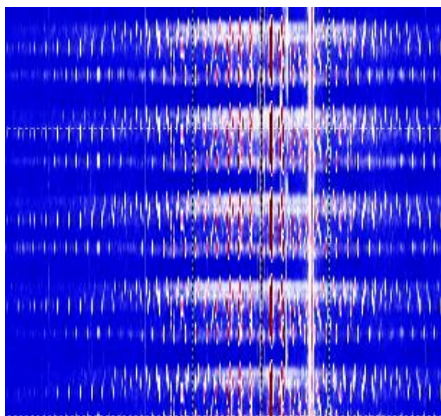
MFA Moscow clg 542136: Russian embassy Beijing
 MFA Moscow clg 325614: Russian embassy Nairobi
 MFA Moscow clg 154263: Russian embassy Rome
 MFA Moscow clg: 214356: Russian embassy Amman
 Russian diplo
 MFA Moscow clg 362154: Russian embassy Athens
 Russian diplo
 Russian diplo. Selcal
 Russian diplo
 Russian diplo
 MFA Moscow clg 351264: Russian embassy Abu Dhabi
 MFA Moscow clg 162543: Russian embassy Nicosia
 Russian diplo. Selcal
 Russian diplo. Selcal
 Russian diplo. Selcal
 Russian diplo. Selcal
 Russian diplo. Selcal
 Russian diplo. Idle
 Russian diplo. Idle

16314 kHz, 06-03, 1242 UTC, Serdolik v2	Russian diplo. Idle
16314 kHz, 06-03, 1247 UTC, Serdolik v2	Russian diplo. Idle
18233 kHz, 06-03, 1216 UTC, Serdolik v2	Russian diplo. Selcal
18233 kHz, 06-03, 1220 UTC, Serdolik v2	Russian diplo. Selcal
18233 kHz, 06-03, 1223 UTC, Serdolik v2	Russian diplo. Selcal
18233 kHz, 06-03, 1227 UTC, Serdolik v2	Russian diplo. Selcal
18233 kHz, 06-03, 1230 UTC, Serdolik v2	Russian diplo. Selcal
18231 kHz, 06-03, 1238 UTC, Serdolik v2	Russian diplo. Idle
16277 kHz, 06-03, 1607 UTC, MFSK-6	MFA Moscow clg 436512: Russian embassy Harare
14698 kHz, 07-03, 1302 UTC, MFSK-66	Russian diplo
16320 kHz, 07-03, 1315 UTC, MFSK-6	MFA Moscow clg 241563: Russian Consulate General Karachi
13393 kHz, 07-03, 1319 UTC, MFSK-66	Russian diplo
16316 kHz, 07-03, 1354 UTC, Serdolik v2	Russian diplo. Selcal
16314 kHz, 07-03, 1354 UTC, Serdolik v2	Russian diplo
16314 kHz, 07-03, 1416 UTC, Serdolik v2	Russian diplo
13556 kHz, 07-03, 0917 UTC, MFSK-6	MFA Moscow clg 324615: Russian embassy Madrid
13547 kHz, 07-03, 1013 UTC, MFSK-6	MFA Moscow clg 625413: Russian embassy Tel Aviv
14698 kHz, 07-03, 1307 UTC, MFSK-66	Russian diplo
16320 kHz, 07-03, 1316 UTC, MFSK-6	MFA Moscow clg 241563: Russian embassy Karachi
19273 kHz, 10-03, 0920 UTC, Serdolik v2	Russian diplo
19235 kHz, 10-03, 0927 UTC, MFSK-6	MFA Moscow clg 463125: Russian embassy Rabat
19273 kHz, 10-03, 0933 UTC, Serdolik v2	Russian diplo
17466 kHz, 10-03, 1437 UTC, Serdolik v2	Russian diplo
17475 kHz, 10-03, 0822 UTC, MFSK-6	MFA Moscow clg 156234: Russian embassy Kampala
20811 kHz, 11-03, 1003 UTC, Serdolik v2	Russian diplo. Selcal
20815 kHz, 11-03, 1009 UTC, Serdolik v2	Russian diplo. Test
20811 kHz, 11-03, 1011 UTC, Serdolik v2	Russian diplo
20815 kHz, 11-03, 1020 UTC, Serdolik v2	Russian diplo
20813 kHz, 11-03, 1035 UTC, MFSK-6	MFA Moscow clg 216354: Russian Consulate General Chennai
20815 kHz, 11-03, 1048 UTC, erdolik v2	Russian diplo
11483 kHz, 12-03, 0842 UTC, MFSK-6	MFA Moscow clg 412356: Russian embassy Budapest



MFA clg Budapest

13458 kHz, 12-03, 0919 UTC, MFSK-66	Russian diplo
16062 kHz, 13-03, 0808 UTC, Serdolik v2	Russian diplo
16153 kHz, 13-03, 0815 UTC, MFSK-6	MFA Moscow clg 1536244: Russian embassy Damascus
12193 kHz, 14-03, 0840 UTC, MFSK-66	Russian diplo
14501 kHz, 14-03, 0920 UTC, MFSK-66	Russian diplo
10412 kHz, 17-03, 0739 UTC, MFSK-66	Russian diplo
12225 kHz, 17-03, 0740 UTC, MFSK-66	Russian diplo
15624 kHz, 17-03, 0755 UTC, MFSK-66	Russian diplo
12226 kHz, 17-03, 0831 UTC, MFSK-66	Russian diplo
13518 kHz, 17-03, 0831 UTC, MFSK-66	Russian diplo
14377 kHz, 17-03, 0836 UTC, MFSK-6	MFA Moscow clg 432516: Russian embassy Bern
9086 kHz, 17-03, 0845 UTC, MFSK-66	Russian diplo
13395 kHz, 17-03, 0905 UTC, MFSK-6	MFA Moscow clg 532614: Russian embassy Paris (terrible audio)



18459 kHz, 18-03, 0933 UTC, MFSK-66	Russian diplo
15819 kHz, 19-03, 0750 UTC, MFSK-6	MFA Moscow clg 256341: Russian embassy Beirut
14650 kHz, 19-03, 1109 UTC, MFSK-6	MFA Moscow clg 215346: Russian Consulate General Mumbai
16115 kHz, 19-03, 1115 UTC, MFSK-6	MFA Moscow clg 215346: Russian Consulate General Mumbai
16112 kHz, 19-03, 1236 UTC, MFSK-66	Russian diplo
15676 kHz, 19-03, 1249 UTC, MFSK-6	MFA Moscow clg 231654: Russian embassy Abuja
12183 kHz, 19-03, 1554 UTC, Serdolik v2	Russian diplo
13402 kHz, 19-03, 1556 UTC, Serdolik v2	Russian diplo
12186 kHz, 19-03, 1608 UTC, MFSK-6	MFA Moscow clg 214356: Russian embassy Amman
12183 kHz, 19-03, 1609 UTC, Serdolik v2	Russian diplo
13407 kHz, 19-03, 1610 UTC, Serdolik v2	Russian diplo
13402 kHz, 19-03, 1612 UTC, Serdolik v2	Russian diplo
16315 kHz, 20-03, 0725 UTC, Serdolik v2	Russian diplo. Selcal
16315 kHz, 20-03, 0727 UTC, Serdolik v2	Russian diplo. Selcal
16315 kHz, 20-03, 0729 UTC, Serdolik v2	Russian diplo. Selcal
16315 kHz, 20-03, 0731 UTC, Serdolik v2	Russian diplo. Selcal
16315 kHz, 20-03, 0735 UTC, Serdolik v2	Russian diplo. Selcal
16315 kHz, 20-03, 0738 UTC, Serdolik v2	Russian diplo. Selcal
16103 kHz, 20-03, 0915 UTC, MFSK-6	MFA Moscow clg 645321: Russian Consulate General Ho Chi Minh City
17477 kHz, 20-03, 0924 UTC, MFSK-66	Russian diplo
16315 kHz, 20-03, 1353 UTC, Serdolik v2	Russian diplo. Selcal
16313 kHz, 20-03, 1355 UTC, Serdolik v2	Russian diplo
18231 kHz, 20-03, 1355 UTC, Serdolik v2	Russian diplo
18575 kHz, 20-03, 1402 UTC, MFSK-6	MFA Moscow clg 352416: Russian embassy Dar es Salaam
16313 kHz, 20-03, 1408 UTC, Serdolik v2	Russian diplo
15866 kHz, 20-03, 1514 UTC, MFSK-6	MFA Moscow clg 436512: Russian embassy Harare
17468 kHz, 20-03, 1520 UTC, MFSK-6	MFA Moscow clg 436512: Russian embassy Harare
20844 kHz, 20-03, 0906 UTC, MFSK-66	Russian diplo
13954 kHz, 21-03, 0832 UTC, MFSK-6	MFA Moscow clg 213546: Russian embassy Islamabad
14824 kHz, 21-03, 1027 UTC, MFSK-6	MFA Moscow clg 625413: Russian embassy Tel Aviv
15710 kHz, 23-03, 0835 UTC, MFSK-6	MFA Moscow clg 261453: Russian embassy Cairo
15810 kHz, 23-03, 1021 UTC, MFSK-6	MFA Moscow clg 145632: Russian embassy Algiers
17468 kHz, 24-03, 0838 UTC, Serdolik v2	Russian diplo. Selcal
17466 kHz, 24-03, 0840 UTC, Serdolik v2	Russian diplo
17475 kHz, 24-03, 0849 UTC, MFSK-6	MFA Moscow clg 156234: Russian embassy Kampala
17466 kHz, 24-03, 0852 UTC, Serdolik v2	Russian diplo. Selcal
19275 kHz, 24-03, 0916 UTC, Serdolik v2	Russian diplo. Selcal
19275 kHz, 24-03, 0919 UTC, Serdolik v2	Russian diplo. Selcal
19273 kHz, 24-03, 0920 UTC, Serdolik v2	Russian diplo
16117 kHz, 24-03, 0923 UTC, MFSK-6	MFA Moscow clg 463125: Russian embassy Rabat
19273 kHz, 24-03, 0930 UTC, Serdolik v2	Russian diplo. Test
14686 kHz, 24-03, 0931 UTC, Serdolik v2	Russian diplo
13420 kHz, 25-03, 0807 UTC, MFSK-6	MFA Moscow clg 534216: Russian embassy Baghdad
14419 kHz, 27-03, 0747 UTC, MFSK-6	MFA Moscow clg 521634: Russian embassy Bucharest
14501 kHz, 28-03, 0923 UTC, MFSK-66	Russian diplo
12177 kHz, 28-03, 0936 UTC, MFSK-6	MFA Moscow clg 356412: Russian embassy Berlin
17463 kHz, 28-03, 1416 UTC, MFSK-6	MFA Moscow clg 256134: Russian embassy Abidjan
14918 kHz, 28-03, 1451 UTC, MFSK-66	Russian diplo
20605 kHz, 28-03, 0955 UTC, MFSK-6	MFA Moscow clg 256134: Russian embassy Abidjan

SPECIAL PURPOSE RADIO STATIONS

In this section we cover Clandestine stations, Propaganda stations, Jammers, the Russian-Ukrainian radio war, PSYOP broadcasts, and other related radio stations.

On March 15, 2025, the United States Agency for Global Media terminated grants to the Voice of America (including affiliates like Radio Deewa), Radio Marti, Radio Free Europe / Radio Liberty and its affiliates Radio Free Asia, Radio Farda, Radio Mashaal, and Radio Free Afghanistan following a directive from the Trump Administration. Most stations were silent after 0700 UTC on March 17th. Some stations aired music loops on the 17th.

The Czech Republic and other European countries had announced their intention to take over RFE/RL, which is headquartered in Prague, to ensure the continuity of the channel. However, at the time of writing the U.S. Agency for Global Media has reversed its

decision to terminate grant funding for RFE/RL for 2025. Other stations may follow. Time will tell.

7700 kHz, 09-03, 2000 UTC, USB: Radio 99 with Russian propaganda in English

The station was heard on 5367, 5515, and 7700 USB. No fixed schedules. No reports after March 11th.

Russian-Ukrainian rafio war

6911 kHz, 20-03, 1800 UTC, USB

6911 kHz, 21-03, 0615 UTC, USB

7032 kHz, 21-03, 0615 UTC, USB

6828, 7649, 8514, 9310 kHz, 21-03, 0620 UTC, USB

6828, 6911, 8514, 9130 kHz, 21-03, 1850 UTC, USB

7050 kHz, 21-03, 1644 UTC, LSB

7083 kHz, 21-03, 1647 UTC, LSB

7055 kHz, 21-03, 1712 UTC, LSB

7050 kHz, 24-03, 1651 UTC, LSB

6828, 6911, 7032, 7546, 7649, 8514, 9310 kHz, 28-03, 1835 UTC, USB

Stalingrad Clock

Air Raid Siren

Russian national anthem, later patriottic songs

Russian patriotic songs. Same songs but no simulcasts

Russian national anthem. Simulcasts

Dire Straits music

Music followed by Russian patriotic talks

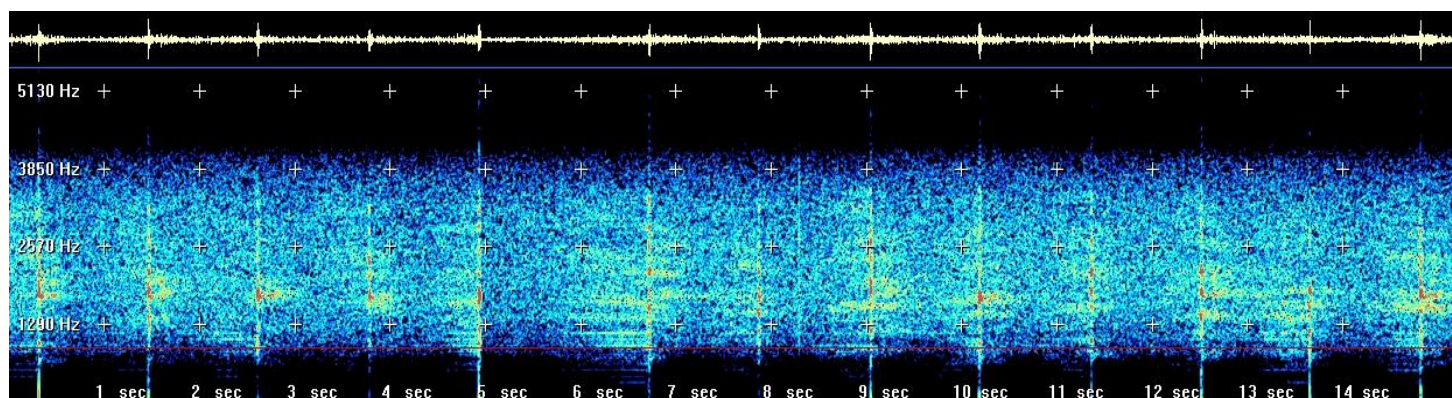
Dire Straits music followed by Russian loop

Several Ukrainian end Russian stations on top of each other

Russian national anthem (rock version)

Trond (TJ) examined the Stalingrad signal. Below his findings.

Stalingrad clock on 6911 kHz



“strokes” timing in mSec (+/- 6 mSec)

324 1463 2615 3789 4940 6717 7880 9042 10205 11368 12519 13658 14821

This gives a mean timing between each “stroke” of 1155.5 mSec. The gap between stroke #5 and stroke #6 is 1777 mSec (+/- 6 mSec). This makes for the break in the timing cycle. This timing cycle then repeats app. every 3:30 min, - with app 180 strokes in each cycle.

There seems to be an echo in the signal. Could be that it actually is an open mic transmission of a machine in a “naked” room. The hum signature, with overtones, in the lower part of the audio spectrum also indicates that this possibly is a live bcast of a mechanical device with a 3 min 30 sec timing cycle. The sound reminds me more of a ICU mechanical ventilator (“breathing machine”) then a metronome or a clock.

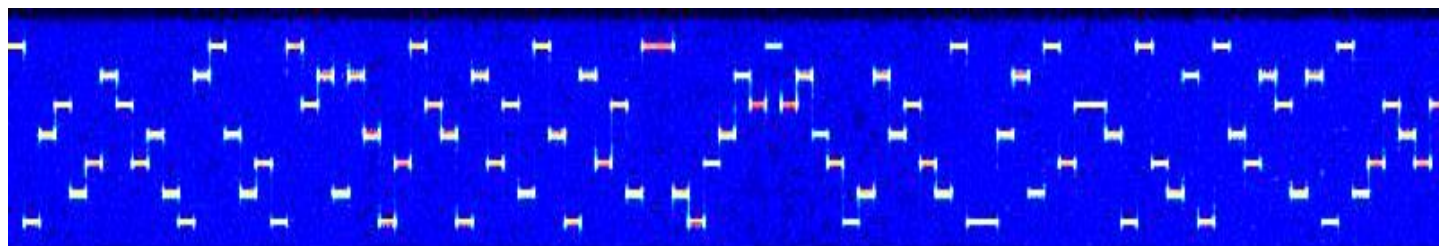
UTILITY ROUND-UP

Unid stations

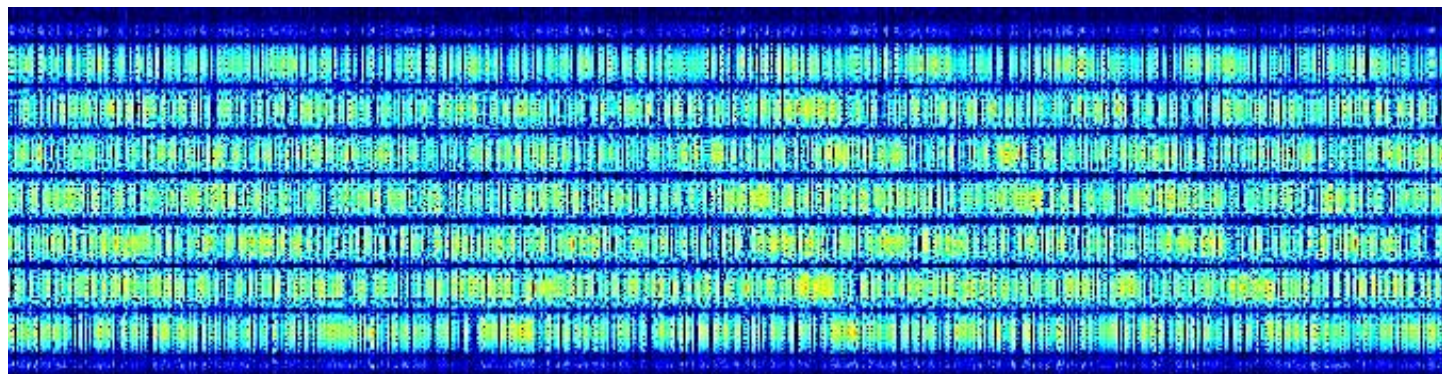
18179 kHz, 06-03, 1200 UTC, MFSK-7

18179 kHz, 06-03, 1210 UTC, MFSK-7

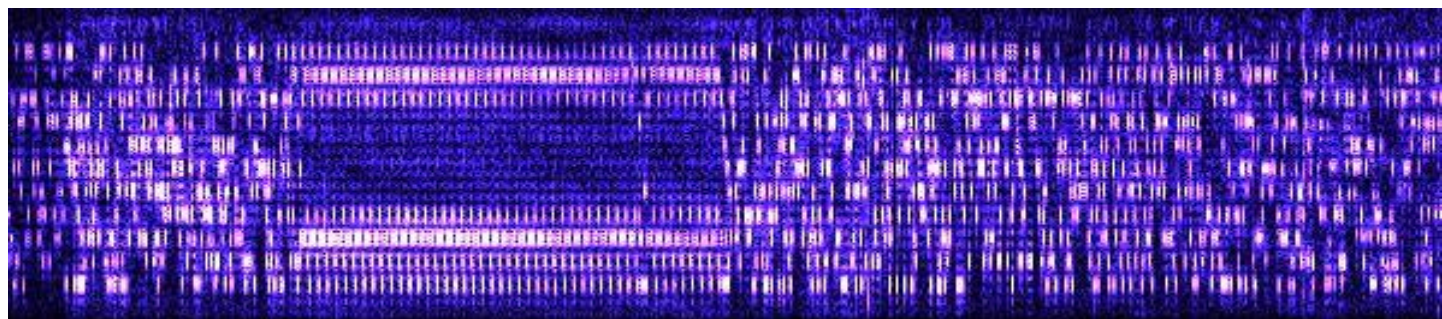
15633 kHz, 06-03, 1215 UTC, MFSK-7



18044 kHz, 06-03, 0900 UTC, MFSK-7
 11135 kHz, 06-03, 0934 UTC, MFSK-7
 18036 kHz, 06-03, 1225 UTC, MFSK-7
 18036 kHz, 06-03, 1230 UTC, MFSK-7
 17543 kHz, 06-03, 1240 UTC, MFSK-7
 16321 kHz, 06-03, 1400 UTC, MFSK-7
 16123 kHz, 30-03, 1235 UTC MFSK-7
 16061 kHz, 30-03, 1415 UTC MFSK-7
 20972 kHz, 31-03, 1205 UTC, MFSK-7



11487 kHz, 25-03, 1450 UTC, MFSK-11
 16309 kHz, 26-03, 1126 UTC, MFSK-11
 18183 kHz, 26-03, 1140 UTC, MFSK-11
 16309 kHz, 26-03, 1145 UTC, MFSK-11
 18183 kHz, 26-03, 1150 UTC, MFSK-11
 17468 kHz, 26-03, 1153 UTC, MFSK-11
 16321 kHz, 30-07, 0706 UTC MFSK-11



18257 kHz, 26-03, 1340 UTC, AX25 PACKET. Unid (presumed) Turkish net

HQ2CEN-0 CE4ANK-0 UI P/F=0 PID = CC

Unreadable contents. Ends with: - !"#\$%&'()*+,-./01234567

CE4ANK-0 HQ2CEN-0 UI P/F=0 PID = CC

Unreadable contents. Ends with: - !"#\$%&'()*+,-./01234567

NB – Unid station a.k.a. New Buzzer

The station usually transmits on three parallel frequencies.

5107 kHz, 01-03, 1631 UTC
 8160 kHz, 01-03, 1631 UTC
 8365 kHz, 01-03, 1631 UTC

5782 kHz, 03-03, 1922 UTC
 6930 kHz, 03-03, 1922 UTC

7550 kHz, 10-03, 1830 UTC

5090 kHz, 03-03, 1922 UTC
 5107 kHz, 15-03, 1900 UTC
 8160 kHz, 15-03, 1900 UTC

6085 kHz, 10-03, 1830 UTC
 7230 kHz, 10-03, 1830 UTC

5782 kHz, 12-03, 1804 UTC
 6930 kHz, 12-03, 1804 UTC

5782 kHz, 16-03, 1747 UTC

5950 kHz, 16-03, 1747 UTC
 6930 kHz, 16-03, 1747 UTC

5782 kHz, 17-03, 1836 UTC
5107 kHz, 18-03, 1844 UTC
8160 kHz, 18-03, 1844 UTC

6085 kHz, 18-03, 2120 UTC
7230 kHz, 18-03, 2120 UTC
7550 kHz, 18-03, 2120 UTC

6085 kHz, 19-03, 1812 UTC
7230 kHz, 19-03, 1812 UTC
7550 kHz, 19-03, 1812 UTC

8160 kHz, 20-03, 1850 UTC
5107 kHz, 20-03, 1850 UTC

5365 kHz, 21-03, 1626 UTC
6365 kHz, 21-03, 1626 UTC
8365 kHz, 21-03, 1626 UTC

5365 kHz, 21-03, 1653 UTC
6365 kHz, 21-03, 1653 UTC
8365 kHz, 21-03, 1653 UTC

5782 kHz, 21-03, 1832 UTC
5950 kHz, 21-03, 1832 UTC

6930 kHz, 17-03, 1836 UTC
6930 kHz, 21-03, 1832 UTC

5107 kHz, 22-03, 1926 UTC
8160 kHz, 22-03, 1926 UTC
9695 kHz, 22-03, 1926 UTC

5782 kHz, 23-03, 1924 UTC
5950 kHz, 23-03, 1924 UTC
6930 kHz, 23-03, 1924 UTC

5782 kHz, 24-03, 1654 UTC
5950 kHz, 24-03, 1654 UTC
6930 kHz, 24-03, 1654 UTC
6085 kHz, 25-03, 1745 UTC
7230 kHz, 25-03, 1745 UTC
7550 kHz, 25-03, 1745 UTC

6085 kHz, 26-03, 2158 UTC
7230 kHz, 26-03, 2158 UTC
7550 kHz, 26-03, 2158 UTC

6085 kHz, 27-03, 2147 UTC
7230 kHz, 27-03, 2147 UTC
7550 kHz, 27-03, 2147 UTC

8160 kHz, 18-03, 0040 UTC

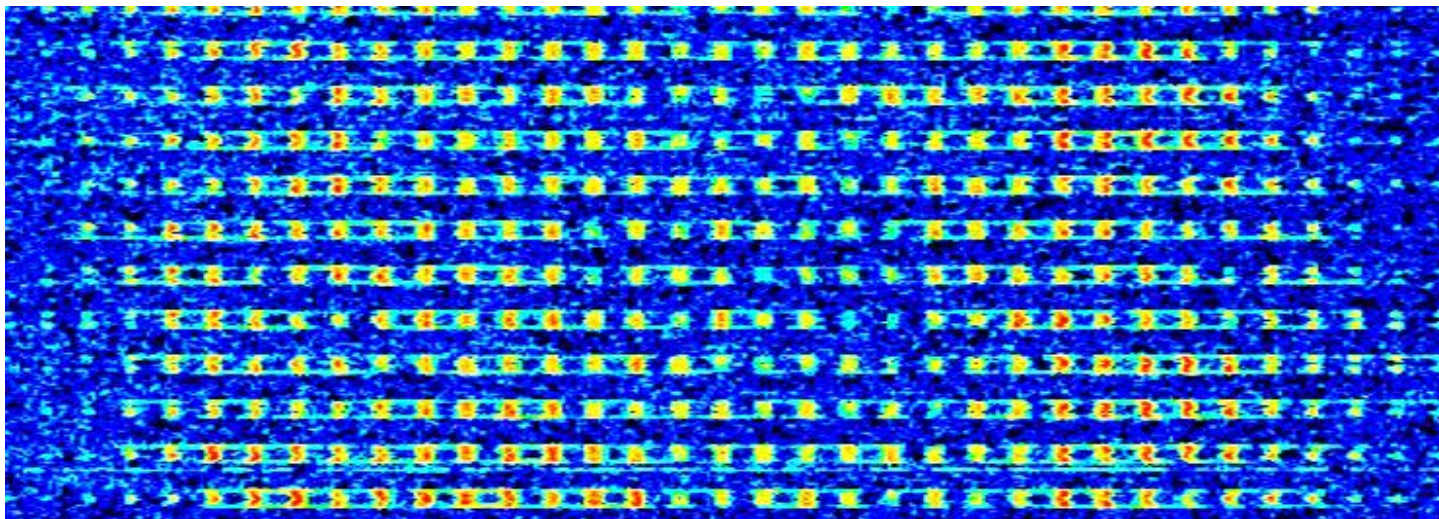
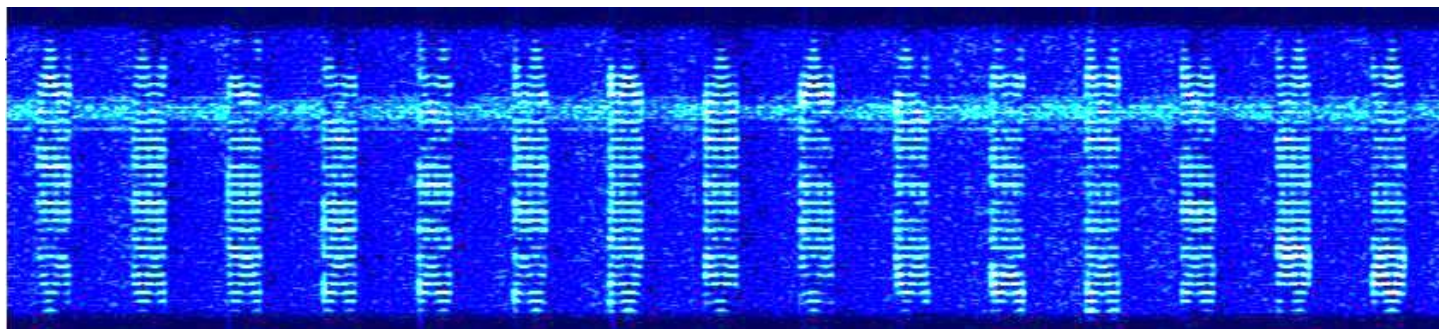
6085 kHz, 28-03, 1735 UTC
7230 kHz, 28-03, 1735 UTC
7550 kHz, 28-03, 1735 UTC

5782 kHz, 29-03, 0230 UTC
5950 kHz, 29-03, 0230 UTC
6930 kHz, 29-03, 0230 UTC
5782 kHz, 29-03, 1656 UTC
5950 kHz, 29-03, 1656 UTC
6930 kHz, 29-03, 1656 UTC

5782 kHz, 29-03, 2018 UTC
5950 kHz, 29-03, 2018 UTC
6930 kHz, 29-03, 2018 UTC

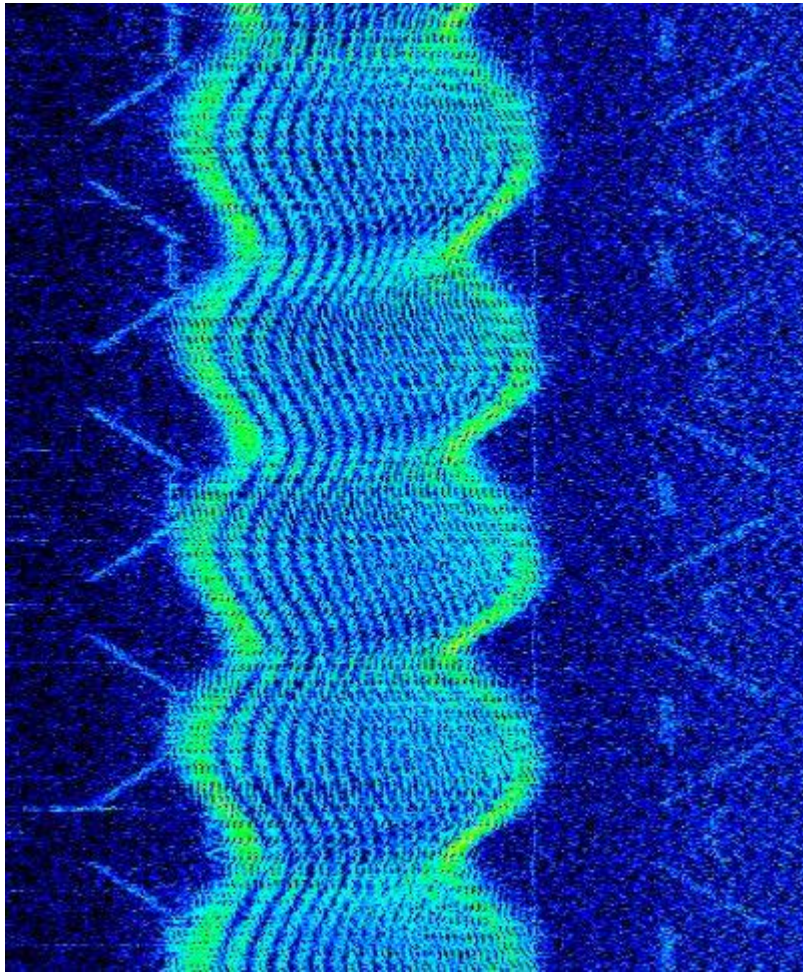
5107 kHz, 30-03, 1700 UTC
8160 kHz, 30-03, 1700 UTC
9695 kHz, 30-03, 1700 UTC

5107 kHz, 31-03, 1644 UTC
8160 kHz, 31-03, 1644 UTC
9695 kHz, 31-03, 1644 UTC

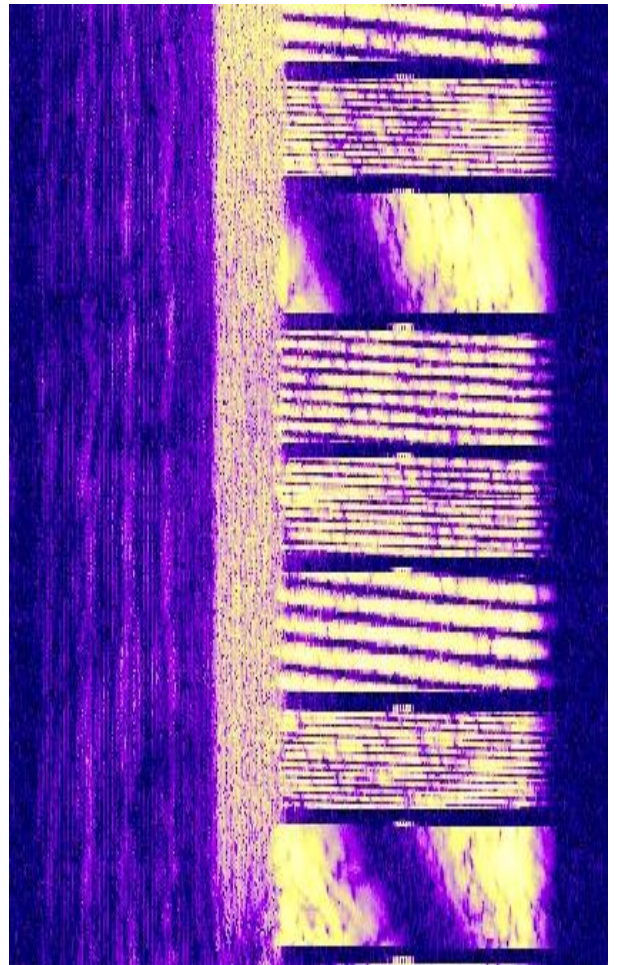


Radio Art

Radio signals can look spectacular in the waterfall. Here are two examples of radio art.



Interference on 50-55 kHz



Several stations on top of each other

RUSSIAN MILITARY TRANSCRIPTS

Excerpts from messages submitted by AB and TJ

Monolith stations

Channel markers

6160 kHz, 09-03, 2002 UTC	Buzzer
4625 kHz, 09-03, 2002 UTC	Buzzer
3756 kHz, 10-03, 2005 UTC	Pip
4770 kHz, 10-03, 2005 UTC	Alarm
4470 kHz, 15-03, 2158 UTC	Alarm
3363 kHz, 15-03, 2158 UTC	Buzzer
4325 kHz, 15-03, 2158 UTC	Dash
4625 kHz, 15-03, 2200 UTC	Buzzer
3756 kHz, 15-03, 2200 UTC	Pip

Morse transmissions

Russian Military morse traffic

17244 kHz, 2803, 1400 UTC, CW

VVV
JMC9 JMC9 JMC9 DE 2WNZ 2WNZ K
2FFU 2FFU 2FFU DE 2WNZ 2WNZ K
2FFU 2FFU 2FFU DE 2WNZ 2WNZ K
RK

17244 kHz, 2803, 1428 UTC, Cw

VVVVVVVVVV
LKHE LKHE LKHE QTC ZQG +
LKHE LKHE LKHE QTC ZQG +
LKHE LKHE LKHE 684 28 1725 488 = ZQG 909 = 5LG message

17244 kHz, 2803, 1641 UTC, CW

VVV
JMC9 JMC9 JMC9 DE 2WNZ 2WNZ K
RK
2FFU 2FFU 2FFU DE 2WNZ 2WNZ K
RK

13914 kHz, 28-03, 0513: NCS of Russian strategic rocket forces, RVSIN RF subnet.

Complex strategic flash message to collective JWB1
XXX XXX JWB1 JWB1 - - - 0616 PREPINANXE 2251 5989 KROMANXONEC 0516 9486 KEKSOFUKE 7398 7673 PATOPOLK 0269 2135 K

Russian Navy morse traffic

16332 kHz, 1634 UTC.

RIW: Navy Moscow / RCRE: intelligence ship Fedor Golovin

RIW RIW RIW DE RCRE RCRE QSA3 K
RCRE OK QYT4 QWH 8310 QSX 8623 FM RMX K (followed by OFDM on 8623 kHz)
RIW DE RCRE K
RCRE QYT4 QSA2 K
RIW DE RCRE K
RCRE OK QYT4 QSL K
RCRE OK QYT4 QLS K
RIW DE RCRE K
RCRE QYT4 QSX 12044 K (followed by OFDM on 12044 kHz)
RCRE OK AS1 K
RIW DE RCRE K
RCRE RK
RIW DE RCRE K
RCRE OK QYT4 SK K
RCRE QRU K

6199 kHz, 24-03, 0728 UTC, RIT: Russian Northern fleet using collective c/s RLO

XXX XXX RLO RLO 3LAST4NYJ 01 1280 435 070 1015 K

6319 kHz, 20-03, RIT, Russian Northern fleet using collective c/s VD9B

XXX XXX VD9B VD9B 17036 PRIMITIWISM 0943 3100 K
XXX XXX VD9B VD9B 47262 17036 PRIMITIWISM 0943 3100 K

12741 kHz, 19-03, Russian NDCC to collective c/s XHOP and RDL

XXX XXX XHOP XHOP 66678 41046 TMINOKLEG 4477 1115 K
XXX XXX RDL RDL 30479 51126 BUROWOJ 2562 2802 K

12741 kHz, 20-03, Russian NDCC to collective c/s.9XOW

XXX XXX 9XOW 9XOW 57293 60938 IMMUNNYJ 1546 4741 K

Digital modes

The following is a compilation of T600 logs of NOSYA and esteemed colleagues of UDXF.
Thanks for the list gentlemen.

QLLF Signals used by Russian Navy:

QRR3: Automatic Telegraphy mode/Encrypted Morse.

QSU1: USB Mode.

QSU2: LSB mode. Not often used.

QYT4: CIS-12 (CIS-12/ AT3004D/ USB)

QYT6: Same as QYT4 presumed updated modem hardware w/backwards compatibility.

QYT9: T600 FSK 75Bd/200Hz.

Simulcast BEE (T600):

Net 1. 10712, 11088, 15778, 16808, 20536, 22413

Net 2. 5890, 6458, 9224, 11524, 14581, 16207, 19688, 19936

Net 3. 14192, 16234

Net 4. NDCC RDL (// 18.1) 3363, 3861, 4043, 4446, 4582, 4602, 5268, 5438, 6342, 6962, 7657, 7816, 8488, 8508, 9044, 9346, 10163, 10452, 10535, 11468, 12098, 12631, 12741, 12830, 13032, 14411, 14664, 15768, 15871, 16912, 17460, 18764, 19210, 20096, 22864

Net 5. NDCC RDL (// 21.1) 8130, 10164

Net 6. 3196, 5846

Net 7. 5178, 8436

Net 8. RJD56 Murmansk 4079 // 6902

Net 9. NDCC RDL St. Petersburg RJD56 Murmansk 14180 // 18107

Net 10. 10154 // 6801.5

Net 11. 18576 // 19256

Net 12. Vladivostok 9169, 12804, 15658, 16872, 13068 Komsomolsk na Amur Pacific Fleet

Net 13. RIT/ZM9U 07206 to RLO // 6973

Notes:

- 18.1KHz VLF and // HF = Presumed SSBN Bcast (VGK per Nusser)
- 21.1KHz VLF and // HF = Presumed SSN/Surface Fleet Bcast
- VGK = Highest command level aka NDCC Kremlin
- Kaliningrad is often 0.5 offset
- If 18.1 goes down 21.1 will take over, kinda pointing at 18.1 being the SSBN bcast

Callsigns:

RMP/RIW/RIT/RCT/RCV/RJS/RKN/RTS/RJD52/RJD99

Collective callsigns:

RIT = RLO/RKS? RLW?.

RCV = RKZ, RJV, RKZ, RIP90

RIW = RKZ.

RJS = ?

RMP = REO.

RMU = White Sea.

Russian Navy T600 BFSK Modem Frequency List

Frequency	Callsign, station, notes
00570	RJD56 MURMANSK
02227.35	
02311.5	
02330	
02599	REA4 AF Moskva
02600	RIW Moskva
02721	REA4 AF Moskva
02807	REA4 AF Moskva
02989	RJD56 Murmansk
03088	RLO St. Petersburg
03167	

03172	RIW Moskva
03196	RJF94 Moskva Naval Aviation Transport
03206	
03208	
03215	RJD56 Murmansk
03217	// 18.1
03223	
03282	RCV Sevastopol
03286.5	
03291	RJD56 Murmansk
03327	RJD56 Murmansk
03363	RJD56 Murmansk
03524	RMP Kaliningrad
03527	RIT Severomorsk
03548	RDL St. Petersburg RIT Severomorsk (+28,+38,+48,)
03606	RIW Moskva
03607	RJD56 Murmansk
06342	RDL St. Petersburg
03699	
03703.5	
03738	RJD56 Murmansk
03741.5	
03828	RJD56 Murmansk Y03 - "Squeaky Wheel" (S32) - Night frequency
03837	RJD56 Murmansk
03861	RDL RJD56 Murmansk // 18.1
03875	
03995	RIW Moskva
04019	RJD56 Murmansk RDL CW F1B +44,+07, BEE +47
04031	RJD56 Murmansk
04033	
04050	RUS-75 AT3004D
04078	RJD56 Murmansk RMP Kaliningrad
04079	AURORA EFFECT // 6902
04085	
04109	RMP Kaliningrad
04199	RCV Sevastopol
04201	RJS Vladivostok
04207	RCV Sevastopol
04258	RJD56 Murmansk RKS Severomorsk?
04367	RCV Sevastopol
04384	RJD56 Murmansk
04423	
04445	RJD56 Murmansk
04476	RJD56 Murmansk
04482	
04525	RMP Kaliningrad
04560	
04564	RJD56 Murmansk
04580	RJD56 Murmansk
04582	RDL St. Petersburg
04596	
04598	RJS Vladivostok
04602	
04739	
04752	RIT Severomorsk
04785	RMP Kaliningrad
04812	RJD56 Murmansk
04818	RJD56 Murmansk
04851	
04858	RJD56 Murmansk
04866	RIW Moskva
04897	

04899	
04974	
04983	RJD56 Murmansk
04990	RIW Moskva
05006	RMP Kaliningrad
05011	RJD56 Murmansk
05022	RDL RJF94 Moskva
05023.5	RCV Sevastopol
05042.5	
05089.5	CW F1B
05104	RIW Moskva
05146	RIW Moscow
05154	RJS Vladivostok
05155	RJD56 Murmansk
05167	RJD56 Murmansk
05177	RIW Moskva
05178	RJD56 Murmansk SYNCHSTREAM:0X1EB41EB2952
05179	RMP Kaliningrad to REO
05184	RJD56 Murmansk
05198	RJD56 Murmansk
05203	RIW Moskva
05221	RJD56 Murmansk
05225	
05234	RJD56 Murmansk
05241	RJF94 Moskva HQ Naval aviation transport
05242	SYNCHSTREAM:0X1EB41EB2952
05227.5	
05268	RJD56 Murmansk
05291	RMP Kaliningrad
05293	RMP Kaliningrad
05305	
05308	
05311	RCV Sevastopol
05319	RIT Severomorsk
05327	
05350	CW MOROZ-2
05360	
05393	RCV Sevastopol
05398	RMP Kaliningrad [Sync0x1eb41eb2952]
05400	RIW Moskva
05404	RJD56 Murmansk
05406	RJD56 Murmansk
05421	
05438	RIT Severomorsk RJD56 Murmansk RDL St. Petersburg
05440	RJD56 Murmansk
05448	
05468	RDL
05498	
05738	RMP Kaliningrad
05478	RCV Sevastopol
05753	
05758	
05778	RCV Sevastopol
05790	RIW Moskva
05802	
05819	RIT Severomorsk SYNCHSTREAM:0X1EB41EB2952
05838	RIT Severomorsk
05846	
05861	
05863	
05867	RJD56 Murmansk
05918.5	

06037	
06178	RCV Sevastopol
06184	RIW Moskva RCV Sevastopol
06199	
06244	RCV RUS Sevastopol
06255	
06262	RMP Kaliningrad
06306	RIW Moskva
06319	
06328	RJD56 Murmansk
06342	RJD56 Murmansk
06343	RMP Kaliningrad
06364	
06425.5	RMP Kaliningrad
06458	RIT Severomorsk
06489.5	RCV Sevastopol
06504	
06560	REPORTED AS PACIFIC AREA
06769	
06786	
06789	RJS Vladivostok
06795	RJS Vladivostok
06801	
06801.5	// 10154
06802	
06810.5	
06817	RJS Vladivostok
06824	RJD56 Murmansk RJS Vladivostok
06827	
06838	
06841	RCV Sevastopol
06844	RCV Sevastopol
06862	RDL RMP Kaliningrad
06877	RJD56 Murmansk
06898	RJD56 Murmansk
06902	AURORA EFFECT // 04079 RJD56 Murmansk
06916	RIW Moskva
06948	RIX Severomorsk?
06959	RLO St. Petersburg
06962	RJD56 Murmansk
06973	RIT Severomorsk to northern fleet collective recipient KDB2, ZM9U/RIT
06998	RMP Kaliningrad
07000	RMP Kaliningrad
07011	RMP Kaliningrad
07014	RCC Petropavlovsk Kamchatskiy REA4 AF Moskva
07016	RIW Moskva
07018	REA4 AF Moskva AT3004D
07020	RMP Kaliningrad
07023	RDL St. Petersburg
07025	RIT Severomorsk
07036	RIW Moskva
07054	RJS Vladivostok
07058	
07080	RDL St. Petersburg RMP Kaliningrad
07111	RIT Severomorsk
07116	RMP Kaliningrad
07118	REA4 AF Moskva
07122	RJD56 Murmansk
07134	RJS Vladivostok
07138	RDL St. Petersburg RMP Kaliningrad
07162	RMP Kaliningrad
07176	RIW Moskva

07206	RIT/ZM9U to collective RLO // 6973
07291	RCV Sevastopol
07346	RJD56 Murmansk
07373	
07395	RIW/NDCC?
07416	
07433	RCV Sevastopol
07483	"ABRUPT ENDING"
07493	
07508	
07515	Vladivostok?
07543	
07571	RCV Sevastopol [Sync0x1eb41eb2952]
07622	50/200 2001-2015 RMP Kaliningrad
07625	RJD56 Murmansk
07640	RIW Moskva RJS Ny Vladivostok
07654	RJD56 Murmansk
07657	RDL RJD56 Murmansk
07675	RJF94 Moskva
07763	RCV Sevastopol
07798	
07815	RJD56 Murmansk
07831	RJF94 Moskva
07833	
07836	Bishkek RJD56 Murmansk RJF94 Moskva
07896	RJS Vladivostok
07923	RIW Moskva
07969	RIT Severomorsk
07959	REA4 AF Moskva
08002	RJD56 Murmansk
08004	RJD56 Murmansk
08006	RJD56 Murmansk RMP Kaliningrad
08048	RCV Sevastopol RJD56 Murmansk
08054	RJS Vladivostok
08076	RJD56 Murmansk RDL St. Petersburg Scheduled
08084	RIW MOSCOW
08112	RIW/NDCC?
08130	RJD56 Murmansk
08134.7	RJS Vladivostok HEADER 1EB41EB2952 RJD56 Murmansk
08136	SYNCHSTREAM:0X1414BEBE952
08144	RMP Kaliningrad
08158	RJD56 Murmansk
08161.5	RJD56 Murmansk
08182	RJD69 Baltiysk
08344	
08436	
08380	RCV Sevastopol
08417	RJS Vladivostok
08434	RJD56 Murmansk
08436	RJD56 Murmansk
08440	
08447	RJD56 Murmansk
08488	
08492	RMP Kaliningrad
08497	RJD56 Murmansk
08508	RIW Moskva RJD56 Murmansk RJH77 Arkhangelsk
08525	RIW Moskva
08535	RIW Moskv
08565	RJS Vladivostok
08608	RJS Vladivostok
08617	RJS Vladivostok
08646	RJD56 Murmansk

08656	RJD56 Murmansk
08673	
08683	REPORTED AS PACIFIC AREA
08687	RIW Moskva
08692	RJD56 Murmansk
08696	ALSO T600-136
09044	NDCC RDL St. Petersburg RJD56 Murmansk
09068	RJD56 Murmansk
09104	
09110	
09136	
09140	RCV Sevastopol
09147	RJD56 Murmansk
09161	NDCC Far East channel
09169	RJD56 Murmansk RJS Vladivostok
09224	RIT Severomorsk
09238	RIT Severomorsk
09346	RDL St. Petersburg RJS Vladivostok
09417	
09442	RMP Kaliningrad
09448	RDL RIW Moskva
09479.5	
09483	
09574	RMP Kaliningrad
09846.5	
09878.5	
09884	
10082	RMP Kaliningrad
10108	RJD56 Murmansk
10115	REA4 AF Moskva RJF94 Moskva
10121	RIW Moskva
10136	RIW Moskva RCC Petropavlovsk Kamchatskiy
10153	RJD56 Murmansk
10154	// 6801.5?
10157	
10162	RJD56 Murmansk
10164	RJD56 Murmansk SYNCHSTREAM:0X1414BEBE952
10108	RDL
10181	
10192	
10194	RIW Moscow
10236	RCV Sevastopol
10250	RIW Moskva
10251	RDL
10309	
10334	RJS Vladivostok
10388	RDL CW F1B "88229 88229 K"
10433	RMP Kaliningrad
10445	
10452	RDL St. Petersburg // 18.1
10530	RJD56 Murmansk
10535	RDL St. Petersburg SYNCHSTREAM:0X1414BEBE952
10542	RJD56 Murmansk
10561	RJD56 Murmansk
10581	RIT Severomorsk
10592	PACIFIC AREA?
10596	RIW Moskva
10607.5	
10653	
10659	AT3004D
10672	RJD56 Murmansk
10691	CW F1B

10705	CW OPCHAT
10712	RJF94 Moskva RKA73 PSKOV (ITU-HFDF) Scheduled
10728	RMP Kaliningrad-Yantarny
10736	
10762	RJD56 Murmansk
10766	RDL Moskva-Penza
10773	RJS Vladivostok
10792	RJD56 Murmansk
10976	RCV Sevastopol
10836	RJD56 Murmansk
10908	
10933	RSVN channel
10992	RCV Sevastopol
11007	
11028	
11049	RJD56 Murmansk
11083	RJD56 Murmansk
11086.5	RCV Sevastopol
11088	RMP Kaliningrad-Yantarny
11102	RJD56 Murmansk
11104	RJD56 Murmansk
11116	RIW Moskva SYNCHSTREAM:0X1414BEBE952
11139	RJD56 Murmansk
11146	
11420	RMP Kaliningrad
11426	Scheduled
11441	
11468	RDL Kaliningrad Smolensk Moscow
11524	RJD56 Murmansk
11534	RIT Severomorsk
11551	RIT Severomorsk
11592	
11598	RMP Kaliningrad
11617	[Sync 0x1414bebe952]
11668	RDL CW F1B Scheduled
12011	RJD56 Murmansk
12098	RJD56 Murmansk
12123	RJS Vladivostok
12136	RJD56 Murmansk
12172	RIW Moskva
12216	RAA Moskva MoD Naval Staff
12230	Yekaterinburg?
12272	
12376	1000Hz shift testing noted here
12500.5	
12520	
12546.5	T600 FSK 100 BAUD 226HZ
12580	
12584	RJS Vladivostok
12590	RAA St.Petersburg RIT Severomorsk
12592	RDL RIW Moskva
12594	RDL RIW Moskva?
12610	RIT Murmansk-Severomorsk
12631	RJD56 Murmansk RMP Kaliningrad
12656	RJD56 Murmansk
12684	RJD56 Murmansk Smolensk
12692	RIW Moskva
12701	
12709	RJD56 Murmansk
12724	RJS Vladivostok
12739	RJD56 Murmansk
12741	RDL St. Petersburg RJD56 Murmansk NDCC // 18.1

12752	RJD56 Murmansk AT3004D
12776	RJD56 Murmansk NDCC
12804	RJS Vladivostok
12832	RDL St. Petersburg SYNCHSTREAM:OX1414BEBE952
12848	RIW Moscow
12874	RJS Vladivostok
12956	
12997	RCV Sevastopol
13003	RIW Moskva
13011	RJD56 Murmansk
13030	RJD56 Murmansk
13032	RDL RJD56 Murmansk
13049	RMP Kaliningrad
13068	RJS Vladivostok Komsomolsk Na Amur
13114	RJD56 Murmansk
13134	
13370	
13404	RMP Kaliningrad
13407	50/250 136b T600-136
13408.5	RCV Sevastopol
13437	NDCC Far East circuit RJS Vladivostok
13491	
13522	
13541	RJD56 Murmansk
13558	T600 RMP Kaliningrad
13560	ALSO 8181 AT3004D RUS-75 ENIGMA-F06
13580	RJD56 Murmansk
13724	RJS Vladivostok
13648	
13740	RJD56 Murmansk
13915	RJC66 St. Petersburg
13935	
14008	RIW Moskva
14019	RJD56 Murmansk
14116	RIW Moskva
14180	RDL St. Petersburg RJD56 Murmansk // 18107
14182	RIW Moscow (CHANGED RIW FROM KALININGRAD TO MOSCOW)
14186	RJD56 Murmansk
14192	
14240	RIW Moskva RMP Kaliningrad
14280	RIW Moskva
14308	RIW Moskva
14346	RAB99 Khabarovsk
14354	Moscow 16 TONE MFSK USB RUNS FOR 2 MINUTES 54 SECONDS
14372	RJD56 Murmansk
14381	RJD56 Murmansk
14393	RJD56 Murmansk
14397	RJD56 Murmansk
14409	RJD56 Murmansk
14411	RDL RIW Moskva St. Petersburg Scheduled NDCC // 18.1
14424	RIW Moskva RJD56 Murmansk
14435	RIW Moskva RJS Vladivostok
14436	RCV Sevastopol
14448	RIW Moskva
14485	REA4 AF Moskva
14513	
14563	RJS Vladivostok
14566	RIW Moskva
14571	RJD56 Murmansk
14581	RJD56 Murmansk RIW Moskva Scheduled
14602	
14613	SYNCHSTREAM:OX1EB41EB2952

14655	RJS Vladivostok RMP Kaliningrad
14664	RDL St. Petersburg RIW Moskva Scheduled
14669	RIW Moskva
14693	Vladivostok RCV Sevastopol
14697	RJS Vladivostok
14704	RIW Moscow
14716	RIW Moskva
14756	REPORTED AS FAR EASTERN AREA
14774	
14766	Bishkek
14823	RIW Moscow 22
14844	RJD56 Murmansk
14864	RJD56 Murmansk
14894	RIW Moscow 16 TONE MFSK USB 138 BAUD/3500 SHIFT
15520	RJS Vladivostok
15546	RJC66 St. Petersburg
15620	RCV Sevastopol
15658	RJS Vladivostok
15673	Odessa
15706	Scheduled
15730.5	RIW Moskva
15768	RDL St. Petersburg
15778	RCV Sevastopol
15792	
15940	RJS Vladivostok
15944	// 10154?
16022	RMP Kaliningrad
16112	.0 RDL Sync 0x1414bebe952
16113	
16110	SYNCHSTREAM:0X1414BEBE952 (ITU-HFDF Nalchik)
16112	RJD56 Murmansk (ITU-HFDF PSKOV)[Sync 0x15143ebe952]
16123	RJD56 Murmansk
16174	RMP Kaliningrad
16176	RMP Kaliningrad RJS Vladivostok SYNCHSTREAM:0X1414BEBE952
16200	RDL Moskva-Penza RJD56 Murmansk AT3004D
16203	RIT Severomorsk
16205	RCV Sevastopol
16206	RJD99 Severodvinsk [Sync 0x1eb41eb2952]
16207	RIW Moskva RJD99 Severodvinsk RIT Severomorsk
16234	RJD56 Murmansk Scheduled [Sync 0x1eb41eb2952]
16316	RMP Kaliningrad [Sync0x1eb41eb2952]
16368	
16677	
16290	RIW Moskva
16316	RMP Kaliningrad
16361	RJD56 Murmansk
16368	RJD56 Murmansk
16806.5	RJD56 Murmansk
16808	RJD56 Murmansk Severomorsk Smolensk Moscow SYNCHSTREAM:0X1EB41EB2952
16816	
16856	RMP Kaliningrad
16872	RJS Vladivostok SYNCHSTREAM:0X1EB41EB2952
16888	RJS Vladivostok [Sync 0x1eb41eb2952]
16912	RJD56 Murmansk
16925	RJD56 Murmansk
16932	RMP Kaliningrad
16935	RIW Moscow
17040	RJS Vladivostok
17080	RJD56 Murmansk
17083	RJS Vladivostok
17088	RJH25 Bishkek RLO St. Petersburg
17102	RIT Severomorsk

17224	RJS Vladivostok
17460	RJD56 Murmansk
17477	RJS Vladivostok
18105	RJD56 Murmansk
18107	RDL St. Petersburg RIW Moskva RJD56 Murmansk
18216	RMP Kaliningrad
18224	
18280	
18576	RJD56 Murmansk RIT Severomorsk SYNCHSTREAM: 0X1414BEBE952 0x1414BEBE64C //
18600	RJD56 Murmansk RJS Vladivostok
18696	RJD56 Murmansk RJS Vladivostok RIT Severomorsk -
18709	RIW Moskva RJS Vladivostok
18720	RJS Vladivostok, Komsomolsk Na Amur
18764	RIW Moskva RMP Kaliningrad
18766	RJD56 Murmansk
18947	RJS Vladivostok
19201	
19210	Smolensk RIW Moscow
19256	RIT Severomorsk RJD56 Murmansk // 18576 Scheduled
19261	RJD56 Murmansk
19584	RCV Sevastopol
19688	RJD56 Murmansk RJS Vladivostok
19936	RIW Moskva
19984	RJS Vladivostok
20064	RIW Moskva
20072	RJS Vladivostok
20096	NDCC RDL RJD56 Murmansk SYNCHSTREAM: 0X1414BEBE952 0x1414BEBE64C
20167	RJD56 Murmansk
20268	RDL RJD56 Murmansk
20536	RDL St. Petersburg RCV Sevastopol
20640	RCV Sevastopol
20655	RIW Moskva
20752	RJD56 Murmansk
20840	RDL St. Petersburg
21764	RDL St. Petersburg RIW Moskva RJS Vladivostok
22392	RIW Moskva RJD56 Murmansk RIT Severomorsk
22223.2	
22410	RJD56 Murmansk
22413	RJD56 Murmansk RIW Moscow [Sync 0x1eb41eb2952]
22482	
22488	
22526	RCV Sevastopol
22648	RCV Sevastopol
22863	RIW Moskva
22864	RJD56 Murmansk RDL Moscow
23043	RJS Vladivostok
23115	RCV Sevastopol
23354	
23452	RJS Vladivostok Bishkek SYNCHSTREAM:0X1EB41EB2952
29895	
31605	RDL 0x1414bebe952 synch, occasional FSK-CW with RDL msgs

19688 kHz, 23-03, 1741 kHz, T600. RIT: Sevromorsk T600

Sync 1EB41EB2952

SESSION KEY: 07 62 0E 32 70 58 1C 13 0E 31 52 07 19 0B 61 15 54 13 58 54 43 68 25 25 52 19

68 46 15 43 46 51 0B 1C 68 64 68 0E 16 61 34 2C
2C 43 46 26 4A 61 0B 46 38 52 38 26 68 2A 34 26
70 13 34 26 1A 16 46 43 0B 54 62 54 38 4C 13 25
25 0E 26 0D 0D 54 13 25 19 4A 58 4C 61 52 38 07
61 1C 4C 61 54 54 43 13 52 1C 2C 68 1A 1A 4A 68
0D 2C 31 1A 34 70 34 43 62 46 0D 38 46 54 64 4C
54 1A 15 07 61 54 16 4C 68 4C 58 38 0D 62 15 32
26 64 43 51 19 1A 2A 0E 52 38 31 0E 58 4A 62 2A
19 15 64 52 43 23 2C 43 54 0E 61 70 61 25 1C 2C
58 13 25 38 07 23 4A 1A 58 43 4C 51 54 70 62 1A
16 2A 16 52 38 70 4A 25 4A 52 0D 2C 54 16 4C 54
32 1C 1A 64 1C 19 4C 62 0D 46 16 4C 61 0B 0E 4A
19 64 38 15 32 26 32 1A 2A 0D 61 16 0D 1A 19 19
26 16 32 68 68 4C 0B 32 2A 43 70 38 46 4A 4C 16
07 2A 32 38 4A 38 1C 70 15 32 70 0E 38 2A 0B 2C
52 23 23 46 4C 26 15 58 13 23 25 0D 58 13 19 0E
62 58 64 1C 25 2A 54 34 13 62 4C 0B 52 25 19 15
32 1C 13 43 0B 54 19 70 43 38 23 62 31 16 23 23
43 32 68 0B 0B 38 52 16 64 68 62 15 32 46 34 07
0B 62 0B 25 19 54 16 2A 19 0E 34 43 07 54 15 25
15 52 38 51 62 70 0D 31 31 0E 43 19 54 2A 70 51
51 23 34 07 13 46 70 43 0D 58 26 31 13 1A 23 19
0E 07 62 0E 51 1A 62 1C 4C 23 46 0B 31 64 0D 0D
25 70 0E 0B 26 0D 54 23 07 54 46 68 64 23 54 0B
46 2C 13 31 70 34 31 1C 34 52 15 2A 0E 25 2C 0D
4A 70 1A 38 43 2C 52 34 26 0D 70 4C 43 26 25 32
31 13 25 38 07 0E 68 43 51 26 31 4C 26 64 52 32
58 34 25 1A 62 15 54 52 16 16 46 19 51 52 46 54
1A 2A 2C 4C 32 13 54 0B 1A 13 16 62 1A 4C 1C 0D
52 51 4A 52 34 23 23 51 62 46 62 52 62 13 23 1C
1C 2C 07 4C 16 0E 46 4C 0E 52 07 64 54 58 70 26
0D 46 62 32 2A 43 43 1C 4A 70 32 07 26 2C 19 07
51 23 51 31 54 54 62 23 0B 4C 4A 31 54 19 0D 07
2A 4A 62 61 31 54 31 64 16 1A 2A 4A 4C 62 15 58
54 4A 16 1C 43 13 4C 4A 0B 52 1C 25 23 1C 4C 58
1A 2A 0E 61 0D 26 34 31 54 68 31 34 0D 13 31 1C
52 0B 26 0B 43 51 13 2A 1A 58 2C 23 38 68 61 46
58 4C 32 19 68 07 38 15 68 52 19 43 70 0D 16 52
23 51 64 07 4C 70 68 31 51 1A 23 46 15 0D 23 58
4A 15 23 15 61 4A 07 4A 16 25 31 15 4A 23 52 <EOM>
<EOM><EOM>

19688 kHz, 23-03, 1745 kHz, T600. RIT: Sevromorsk T600

Sync 1EB41EB2952

Session Key: 52 52 34 15 23 1C 0E 4A 4A 31 46 16 62 52 61 64 16 0B 70 31 19 38 26 54 64

2A 2C 2C 15 51 1A 68 19 32 0D 26 43 62 34 0E 4C
68 68 0D 64 51 19 0D 32 25 2C 23 19 38 2C 70 23
58 54 68 61 68 64 43 61 07 1A 4C 46 13 68 62 1C
13 19 70 16 0B 58 51 70 51 4A 46 64 13 54 32 58
16 52 70 58 2C 51 68 58 4A 70 43 07 15 25 19 23
0B 1C 1A 43 31 54 70 0B 38 0B 38 13 32 70 61 61
62 0B 2C 13 64 19 64 51 54 70 4C 2C 70 25 43 13
38 61 2C 07 0E 54 1C 52 23 4C 70 32 1A 68 52 64
43 2A 34 0D 23 0E 58 1C 58 64 61 31 34 52 68 38
0D 25 54 43 31 70 38 2A 19 1A 52 54 4C 64 52 61
4C 16 13 70 70 62 31 68 70 62 19 16 16 61 1A 16
07 25 0E 38 46 2C 26 58 23 31 31 4C 43 54 25 54
51 4A 46 16 34 16 4A 2C 1A 0B 25 54 54 16 19 23
38 64 26 2A 25 25 25 4A 54 32 07 07 19 0E 07 0B
25 43 61 70 07 58 25 32 26 07 34 51 13 61 15 13
43 25 2A 16 19 34 19 52 70 2A 19 13 43 32 38 46
46 1C 4C 23 34 34 2A 52 51 52 0E 16 4A 4A 58 4A
23 62 23 62 15 07 32 2A 07 16 58 07 25 1A 61 15
0D 52 0B 0B 2C 51 51 43 0E 16 1C 46 46 16 58 31
25 0B 1A 25 0D 62 62 19 25 51 31 61 4C 23 2A 34
4C 61 19 13 68 13 15 2A 2A 46 62 34 61 38 51 4C
58 46 62 13 46 2A 61 31 07 1C 38 46 1A 70 68 51
38 31 25 1A 15 70 25 0D 46 4A 16 1C 46 61 70 1A
19 58 64 1C 58 25 61 62 32 23 32 68 07 15 16 16

26 32 52 54 64 07 16 32 43 62 07 54 2A 70 62 31
 4C 15 15 2A 1C 38 0B 4A 25 31 64 31 38 23 38 68
 23 31 61 23 51 1A 0D 0E 38 61 54 07 54 64 26 52
 31 54 15 1A 25 2C 52 07 4C 31 2C 2A 0E 52 0E 34
 70 34 23 0B 51 64 4A 0B 0E 52 54 4A 26 4C 16 54
 61 0E 15 19 0E 64 70 26 54 68 4C 58 34 15 62 31
 38 2C 68 16 0E 0D 52 54 31 2A 16 34 0D 68 0D 0E
 4C 0D 0E 15 38 0D 43 61 38 0B 4A 0B 15 13 0B 32
 43 68 43 15 0E 43 46 62 0B 0D 61 31 62 43 68 68
 15 43 07 51 07 32 25 07 58 13 52 4C 46 16 1C 26
 62 4A 32 1A 32 4C 2C 62 0E 43 1A 64 32 31 25 13
 13 64 54 2A 4C 4A 46 54 46 70 19 34 23 32 15 2C
 16 38 19 0E 68 43 0B 0D 1A 51 61 61 26 4A 13 1C
 64 1C 58 64 68 19 68 54 32 15 31 51 0D 52 1C 2A
 46 07 0B 31 2A 25 0E 43 07 0E 34 54 38 15 70 23
 70 46 0D 26 25 26 26 51 58 64 38 1A 13 70 43 68
 <EOM><EOM><EOM>

19688 kHz, 23-03, 1750 kHz, T600. RIT: Sevromorsk T600

Sync 1EB41EB2952

Session Key: 4A 15 43 15 52 07 0D 62 15 43 32 51 52 0E 4C 62 32 23 32 2A 4C 2C 1A 52 26

19 0E 54 38 2C 15 64 23 0B 64 68 51 61 68 38 61
 0E 1C 15 64 2C 25 38 0D 13 0B 43 1C 4C 1A 07 19
 46 1C 38 25 07 64 15 15 13 64 0E 4C 38 61 31 0B
 62 70 1C 54 25 16 58 19 46 51 70 1A 34 2A 68 70
 16 43 2C 43 0E 43 70 64 07 4C 54 1C 13 16 4A 4C
 26 62 46 54 68 52 52 0D 64 68 2C 0E 38 23 4C 16
 1C 4C 70 46 4C 0B 38 2C 61 51 4C 61 4A 07 34 2C
 26 58 4A 52 2A 62 46 32 0E 15 34 38 58 13 25 58
 26 4C 38 19 1C 68 26 07 0E 13 43 13 38 64 19 64
 0E 0D 26 54 13 46 1C 61 16 0D <EOM><EOM><EOM>

30 years Numbers & Oddities



LOGS SECTION

Code	Date	UTC	Freq	Day	Details	Mode	Contributor
---	23-3	1030	8269	Sun	Unid "T" beacon oddity	CW	(ZC)
BUL	6-3	0922	14755	Thu	Bulgarian diplo	RFSM-8000	(AB)
BUL	6-3	1123	18515	Thu	Bulgarian diplo	RFSM-8000	(AB)
BUL	6-3	1321	17440	Thu	Bulgarian diplo	RFSM-8000	(AB)
BUL	6-3	1351	18455	Thu	Bulgarian diplo	RFSM-8000	(AB)
BUL	6-3	1500	20955	Thu	Bulgarian diplo	RFSM-8000	(AB)
BUL	7-3	0717	14755	Fri	Bulgarian diplo	RFSM-8000	(AB)
BUL	7-3	1121	18515	Fri	Bulgarian diplo	RFSM-8000	(AB)
BUL	7-3	1325	17440	Fri	Bulgarian diplo	RFSM-8000	(AB)
BUL	7-3	1356	18455	Fri	Bulgarian diplo	RFSM-8000	(AB)
BUL	7-3	1500	20955	Fri	Bulgarian diplo	RFSM-8000	(AB)
BUL	10-3	0855	18515	Mon	Bulgarian diplo	RFSM-8000	(AB)
BUL	10-3	0926	14755	Mon	Bulgarian diplo	RFSM-8000	(AB)
BUL	10-3	1323	17440	Mon	Bulgarian diplo	RFSM-8000	(AB)
BUL	10-3	1354	18455	Mon	Bulgarian diplo	RFSM-8000	(AB)
BUL	10-3	1416	20955	Mon	Bulgarian diplo	RFSM-8000	(AB)
BUL	12-3	0922	14755	Wed	Bulgarian diplo	RFSM-8000	(AB)
BUL	12-3	1125	18515	Wed	Bulgarian diplo	RFSM-8000	(AB)
BUL	12-3	1321	17440	Wed	Bulgarian diplo	RFSM-8000	(AB)
BUL	12-3	1358	18455	Wed	Bulgarian diplo	RFSM-8000	(AB)
BUL	12-3	1457	20955	Wed	Bulgarian diplo	RFSM-8000	(AB)
BUL	14-3	0935	14755	Fri	Bulgarian diplo	RFSM-8000	(AB)
BUL	14-3	1122	18515	Fri	Bulgarian diplo	RFSM-8000	(AB)
BUL	14-3	1356	18455	Fri	Bulgarian diplo	RFSM-8000	(AB)
BUL	17-3	0924	14755	Mon	Bulgarian diplo	RFSM-8000	(AB)
BUL	17-3	1123	18515	Mon	Bulgarian diplo	RFSM-8000	(AB)
BUL	17-3	1323	17440	Mon	Bulgarian diplo	RFSM-8000	(AB)
BUL	17-3	1355	18455	Mon	Bulgarian diplo	RFSM-8000	(AB)
BUL	17-3	1454	20955	Mon	Bulgarian diplo	RFSM-8000	(AB)
BUL	20-3	1113	18455	Thu	Bulgarian diplo	RFSM-8000	(AB)
BUL	20-3	1123	18515	Thu	Bulgarian diplo	RFSM-8000	(AB)
BUL	20-3	1319	17440	Thu	Bulgarian diplo	RFSM-8000	(AB)
BUL	24-3	0834	16385	Mon	Bulgarian diplo	RFSM-8000	(AB)
BUL	24-3	0922	14755	Mon	Bulgarian diplo	RFSM-8000	(AB)
BUL	24-3	1122	18515	Mon	Bulgarian diplo	RFSM-8000	(AB)
BUL	24-3	1358	18455	Mon	Bulgarian diplo	RFSM-8000	(AB)
BUL	24-3	1457	20955	Mon	Bulgarian diplo	RFSM-8000	(AB)
BUL	25-3	1128	18515	Tue	Bulgarian diplo	RFSM-8000	(AB)

BUL	25-3	1357	18455	Tue	Bulgarian diplo	RFSM-8000	(AB)
BUL	28-3	0925	14755	Fri	Bulgarian diplo	RFSM-8000	(AB)
BUL	28-3	1129	18515	Fri	Bulgarian diplo	RFSM-8000	(AB)
BUL	28-3	1322	17440	Fri	Bulgarian diplo	RFSM-8000	(AB)
BUL	28-3	1356	18455	Fri	Bulgarian diplo	RFSM-8000	(AB)
BUL	28-3	1452	20955	Fri	Bulgarian diplo	RFSM-8000	(AB)
E06	8-3	1600	11128	Sat	480 359 42 48704 76031 13198 ... 21459 73949 82593 359 42 0000	USB	(AB)
E06	8-3	1630	9073	Sat	480 359 42 48704 76031 13198 ... 21459 73949 82593 359 42 0000	USB	(AB)
E06	9-3	0730	13945	Sun	480 359 42 48704 76031 13198 ... 21459 73949 82593 359 42 0000	USB	(AB)
E06	9-3	0800	12903	Sun	480 359 42 48704 76031 13198 ... 21459 73949 82593 359 42 0000	USB	(AB)
E06	19-3	0743	10755	Wed	975 (R19s) 1m37s silence 975 (R 38s)	USB	(AB)
E06	19-3	0800	10755	Wed	801 (2x)	USB	(AB)
E06	19-3	0831	10755	Wed	801 (2x) 57s silence 801 (2x) 1m20s silence 801 (R31s)	USB	(AB)
E06	19-3	0839	10755	Wed	801 (R1m4s)	USB	(AB)
E06	19-3	0936	10755	Wed	801 (1x) 6s silence 801 (1x) 3s silence 801 (1x) 1m15s silence 801 (1x) 4s silence 801 (R35s) 47s silence 801 (1x)	USB	(AB)
E06	19-3	0942	10755	Wed	80 11s silence 801 (R4m53s)	USB	(AB)
E06	19-3	1149	10755	Wed	975 (R4m) 000 30 01153 34096 68560 ... 04039 74793 01461 000 30 00000	USB	(AB)
E06	22-3	1600	11128	Sat	480 973 45 63614 36248 10407 ... 15174 97802 71360 973 45 00000	USB	(AB)
E06	22-3	1600	11128	Sat	480 973 45 63614 36248 10407 ... 15174 97802 71360 973 45 00000	USB	(Lac)
E06	22-3	1630	9073	Sat	480 973 45 63614 36248 10407 ... 15174 97802 71360 973 45 00000	USB	(AB)
E06	22-3	1630	9073	Sat	480 973 45 63614 36248 10407 ... 15174 97802 71360 973 45 00000	USB	(Lac)
E06	23-3	0730	13945	Sun	480 973 45 63614 36248 10407 ... 15174 97802 71360 973 45 00000	USB	(AB)
E06	23-3	0800	12903	Sun	480 973 45 63614 36248 10407 ... 15174 97802 71360 973 45 00000	USB	(AB/Lac)
E06	26-3	1730	12215	Wed	439 285 106 26560 63539 52599 ... 42581 88915 23355 285 106 00000	USB	(AB/PY)
E06	26-3	1830	9079	Wed	439 285 106 26560 63539 52599 ... 42581 88915 23355 285 106 00000	USB	(AB/PY)
E06	27-3	0130	5879	Thu	759 368 27 23905 12156 47404 ... 61548 52340 53408 368 27 00000	USB	(PY)
E06	27-3	0230	4923	Thu	759 368 27 23905 12156 47404 ... 61548 52340 53408 368 27 00000	USB	(PY)
E07	1-3	1410	16284	Sat	328 328 328 1 729 119 729 119 14761 46923 40876 ... 36725 44737 88941 000 000	USB	(AB/HFD)
E07	1-3	1430	14854	Sat	328 328 328 1 729 119 729 119 14761 46923 40876 ... 36725 44737 88941 000 000	USB	(AB/HFD)
E07	1-3	1450	13384	Sat	328 328 328 1 729 119 729 119 14761 46923 40876 ... 36725 44737 88941 000 000	USB	(AB/HFD)
E07	4-3	1500	14571	Tue	584 584 584 1 305 189 305 189 10625 34828 29122 ... 76982 05567 17866 000 000	USB	(AB/HFD)
E07	4-3	1520	15851	Tue	584 584 584 1 305 189 305 189 10625 34828 29122 ... 76982 05567 17866 000 000	USB	(AB/HFD)
E07	4-3	1540	17541	Tue	584 584 584 1 305 189 305 189 10625 34828 29122 ... 76982 05567 17866 000 000	USB	(AB/HFD)
E07	6-3	1410	16284	Thu	328 328 328 000	USB	(AB)
E07	6-3	1430	14854	Thu	328 328 328 000	USB	(AB)
E07	7-3	1500	14571	Fri	584 584 584 1 305 189 305 189 10625 34828 29122 ... 76982 05567 17866 000 000	USB	(AB/Lac)
E07	7-3	1520	15851	Fri	584 584 584 1 305 189 305 189 10625 34828 29122 ... 76982 05567 17866 000 000	USB	(AB/Lac)
E07	7-3	1540	17541	Fri	584 584 584 1 305 189 305 189 10625 34828 29122 ... 76982 05567 17866 000 000	USB	(AB/Lac)
E07	8-3	1410	16284	Sat	328 328 328 000	USB	(AB)
E07	8-3	1430	14854	Sat	328 328 328 000	USB	(AB)

E07	11-3	1500	14571	Tue	584 584 584 000	USB	(AB/Lac)
E07	11-3	1520	15851	Tue	584 584 584 000	USB	(AB/Lac)
E07	13-3	1410	16284	Thu	328 328 328 1 1003 99 1003 99 46139 09063 85230 ... 59027 68704 33336 000 000. Restart during the callup	USB	(AB/Lac)
E07	13-3	1430	14854	Thu	328 328 328 1 1003 99 1003 99 46139 09063 85230 ... 59027 68704 33336 000 000	USB	(AB/Lac)
E07	13-3	1450	13384	Thu	328 328 328 1 1003 99 1003 99 46139 09063 85230 ... 59027 68704 33336 000 000	USB	(AB/Lac)
E07	14-3	1500	14571	Fri	584 584 584 000	USB	(AB)
E07	14-3	1520	15851	Fri	584 584 584 000	USB	(AB)
E07	15-3	1410	16284	Sat	328 328 328 1 1003 99 1003 99 46139 09063 85230 ... 59027 68704 33336 000 000	USB	(AB)
E07	15-3	1430	14854	Sat	328 328 328 1 1003 99 1003 99 46139 09063 85230 ... 59027 68704 33336 000 000	USB	(AB)
E07	15-3	1450	13384	Sat	328 328 328 1 1003 99 1003 99 46139 09063 85230 ... 59027 68704 33336 000 000	USB	(AB)
E07	18-3	1500	14571	Tue	584 584 584 1 125 100 125 100 49725 25934 01233 ... 72851 61548 12479 000 000	USB	(AB/Lac)
E07	18-3	1520	15851	Tue	584 584 584 1 125 100 125 100 49725 25934 01233 ... 72851 61548 12479 000 000	USB	(AB/Lac)
E07	18-3	1540	17451	Tue	584 584 584 1 125 100 125 100 49725 25934 01233 ... 72851 61548 12479 000 000	USB	(AB/Lac)
E07	20-3	1410	16284	Thu	328 328 328 000	USB	(AB)
E07	20-3	1430	14854	Thu	328 328 328 000	USB	(AB)
E07	21-3	1500	14571	Fri	584 584 584 1 125 100 125 100 49725 25934 01233 ... 72851 61548 12479 000 000	USB	(AB)
E07	21-3	1520	15851	Fri	584 584 584 1 125 100 125 100 49725 25934 01233 ... 72851 61548 12479 000 000	USB	(AB)
E07	21-3	1540	17451	Fri	584 584 584 1 125 100 125 100 49725 25934 01233 ... 72851 61548 12479 000 000	USB	(AB)
E07	22-3	1410	16284	Sat	328 328 328 000	USB	(AB)
E07	22-3	1430	14854	Sat	328 328 328 000	USB	(AB)
E07	25-3	1500	14571	Tue	584 584 584 000	USB	(AB)
E07	25-3	1520	15851	Tue	584 584 584 000	USB	(AB)
E07	27-3	1410	16284	Thu	328 328 328 1 1696 142 1696 142 27492 85499 18393 ... 07987 17295 70817 000 000	USB	(AB/Lac)
E07	27-3	1430	14854	Thu	328 328 328 1 1696 142 1696 142 27492 85499 18393 ... 07987 17295 70817 000 000	USB	(AB/Lac)
E07	27-3	1450	13384	Thu	328 328 328 1 1696 142 1696 142 27492 85499 18393 ... 07987 17295 70817 000 000	USB	(AB/Lac)
E07	28-3	1500	14571	Fri	584 584 584 000	USB	(AB)
E07	28-3	1520	15851	Fri	584 584 584 000	USB	(AB)
E07	29-3	1410	16284	Sat	328 328 328 1 1696 142 1696 142 27492 85499 18393 ... 07987 17295 70817 000 000	USB	(AB)
E07	29-3	1430	14854	Sat	328 328 328 1 1696 142 1696 142 27492 85499 18393 ... 07987 17295 70817 000 000	USB	(AB)
E07	29-3	1450	13384	Sat	328 328 328 1 1696 142 1696 142 27492 85499 18393 ... 07987 17295 70817 000 000	USB	(AB)
E11	1-3	0700	9079	Sat	498/00 Out	USB	(AB/HFD)
E11	1-3	1430	14972	Sat	917/00 Out	USB	(AB/HFD)
E11	1-3	1610	4181	Sat	394/00 Out	USB	(AB/HFD)
E11	1-3	1645	4505	Sat	364/00 Out	USB	(AB)
E11	2-3	0600	8680	Sun	358/00 Out	USB	(AB)
E11	2-3	0700	9079	Sun	496/00 Out	USB	(AB/HFD)
E11	2-3	1605	5176	Sun	236/00 Out	USB	(AB)
E11	2-3	1645	4505	Sun	367/00 Out	USB	(AB/HFD)
E11	2-3	1745	13470	Sun	240/00 Out	USB	(AB/HFD)
E11	2-3	1815	11116	Sun	922/00 Out	USB	(AB/HFD)

E11	2-3	1910	8530	Sun	616/00 Out	USB	(AB/HFD)
E11	2-3	2000	5737	Sun	520/00 Out	USB	(AB/HFD)
E11	3-3	0315	12630	Mon	252/00 Out	USB	(HFD)
E11	3-3	0600	25839	Mon	946/00 Out	USB	(HFD)
E11	3-3	0745	10213	Mon	266/00 Out	USB	(AB/HFD)
E11	3-3	0830	20170	Mon	184/00 Out	USB	(AB/HFD)
E11	3-3	1045	12385	Mon	694/00 Out	USB	(AB/HFD)
E11	3-3	1300	5371	Mon	310/00 Out	USB	(AB/HFD/LAc)
E11	3-3	1900	7317	Mon	648/00 Out	USB	(HFD)
E11	4-3	0645	13470	Tue	518/00 Out	USB	(HFD)
E11	4-3	0800	8180	Tue	570/00 Out	USB	(AB/HFD)
E11	4-3	0820	19184	Tue	131/00 Out	USB	(AB/HFD)
E11	4-3	1000	9951	Tue	306/00 Out	USB	(AB/HFD)
E11	4-3	1230	12530	Tue	335/00 Out	USB	(AB/HFD)
E11	4-3	1430	14972	Tue	915/00 Out	USB	(AB)
E11	4-3	1605	5176	Tue	231/00 Out	USB	(AB)
E11	5-3	0600	25839	Wed	944/00 Out	USB	(AB)
E11	5-3	0745	17410	Wed	343/00 Out	USB	(AB/HFD)
E11	5-3	0820	19184	Wed	130/00 Out	USB	(AB)
E11	5-3	0900	13117	Wed	530/00 Out	USB	(AB/HFD)
E11	5-3	0930	6940	Wed	275/00 Out	USB	(AB/HFD)
E11	5-3	1045	12385	Wed	698/00 Out	USB	(AB)
E11	5-3	1610	4181	Wed	395/00 Out	USB	(AB)
E11	5-3	1715	6923	Wed	978/00 Out	USB	(AB/HFD)
E11	6-3	0645	13470	Thu	518/00 Out	USB	(AB/HFD)
E11	6-3	0720	9446	Thu	438/00 Out	USB	(HFD)
E11	6-3	0930	6940	Thu	277/00 Out	USB	(AB)
E11	6-3	1230	12530	Thu	333/00 Out	USB	(AB)
E11	6-3	1300	5371	Thu	310/00 Out	USB	(AB)
E11	6-3	1530	10330	Thu	267/00 Out	USB	(AB/HFD)
E11	6-3	1900	7317	Thu	640/00 Out	USB	(AB)
E11	6-3	2000	5737	Thu	527/00 Out	USB	(AB)
E11	7-3	0700	8180	Fri	576/00 Out	USB	(AB)
E11	7-3	0745	17410	Fri	342/00 Out	USB	(AB)
E11	7-3	0830	20170	Fri	184/00 Out	USB	(AB)
E11	7-3	1000	9951	Fri	307/00 Out	USB	(AB)
E11	7-3	1715	6923	Fri	976/00 Out	USB	(AB)
E11	7-3	1815	11116	Fri	929/00 Out	USB	(AB)
E11	7-3	1910	8530	Fri	613/00 Out	USB	(AB)
E11	8-3	0700	9079	Sat	490/00 Out	USB	(AB)
E11	8-3	1430	14972	Sat	917/00 Out	USB	(AB)

E11	8-3	1610	4181	Sat	399/00 Out	USB	(AB)
E11	9-3	0700	9079	Sun	497/00 Out	USB	(AB)
E11	9-3	1605	5176	Sun	237/00 Out	USB	(AB)
E11	9-3	1815	11116	Sun	922/00 Out	USB	(AB)
E11	9-3	1910	8530	Sun	611/00 Out	USB	(AB)
E11	9-3	2000	5737	Sun	524/00 Out	USB	(AB)
E11	10-3	0645	10800	Mon	412/00 Out	USB	(HFD)
E11	10-3	0715	19515	Mon	750/00 Out	USB	(Lac)
E11	10-3	0745	10213	Mon	260/00 Out	USB	(AB/Lac)
E11	10-3	0845	12202	Mon	710/00 Out	USB	(AB/Lac)
E11	10-3	0900	13117	Mon	534/00 Out	USB	(AB)
E11	10-3	1045	12385	Mon	694/00 Out	USB	(AB/Lac)
E11	10-3	1300	5371	Mon	311/00 Out	USB	(AB/Lac)
E11	10-3	1745	13470	Mon	240/00 Out	USB	(AB)
E11	10-3	1900	7317	Mon	647/00 Out	USB	(AB)
E11	11-3	0645	13470	Tue	518/00 Out	USB	(AB/Lac)
E11	11-3	0700	8180	Tue	574/00 Out	USB	(Lac)
E11	11-3	0715	15720	Tue	639/00 Out	USB	(AB/Lac)
E11	11-3	0745	14865	Tue	229/00 Out	USB	(AB/Lac)
E11	11-3	0800	8180	Tue	574/00 Out	USB	(AB)
E11	11-3	0845	18168	Tue	155/00 Out	USB	(AB/Lac)
E11	11-3	1205	9399	Tue	460/00 Out	USB	(AB)
E11	11-3	1205	9399	Tue	460/00 Out	USB	(Lac)
E11	11-3	1230	12530	Tue	334/00 Out	USB	(AB/Lac)
E11	11-3	1430	14972	Tue	917/00 Out	USB	(AB/Lac)
E11	12-3	0645	10800	Wed	416/00 Out	USB	(AB)
E11	12-3	0645	10800	Wed	416/00 Out	USB	(Lac)
E11	12-3	0715	19515	Wed	755/00 Out	USB	(AB-POL)
E11	12-3	0745	17410	Wed	347/00 Out	USB	(AB/Lac)
E11	12-3	0845	12202	Wed	716/00 Out	USB	(AB/Lac)
E11	12-3	0900	13117	Wed	537/00 Out	USB	(AB/Lac)
E11	12-3	0930	6940	Wed	273/00 Out	USB	(AB/Lac)
E11	12-3	1045	12385	Wed	698/00 Out	USB	(AB/Lac)
E11	13-3	0645	13470	Thu	518/00 Out	USB	(AB)
E11	13-3	0745	14865	Thu	228/00 Out	USB	(AB)
E11	13-3	0845	18168	Thu	154/00 Out	USB	(AB)
E11	13-3	0930	6940	Thu	275/00 Out	USB	(AB/Lac)
E11	13-3	1230	12530	Thu	331/00 Out	USB	(AB/Lac)
E11	13-3	1300	5371	Thu	314/00 Out	USB	(AB/Lac)
E11	13-3	1530	10330	Thu	262/00 Out	USB	(AB/Lac)
E11	13-3	1900	7317	Thu	644/00 Out	USB	(AB)

E11	13-3	2000	5737	Thu	521/00 Out	USB	(AB)
E11	14-3	0600	8680	Fri	351/00 Out	USB	(AB)
E11	14-3	0700	8180	Fri	573/00 Out	USB	(AB/Lac)
E11	14-3	0715	15720	Fri	639/00 Out	USB	(AB/Lac)
E11	14-3	0745	17410	Fri	349/00 Out	USB	(AB)
E11	14-3	1815	11116	Fri	920/00 Out	USB	(AB)
E11	15-3	0700	9079	Sat	498/00 Out	USB	(AB)
E11	15-3	1430	14972	Sat	918/00 Out	USB	(AB)
E11	15-3	1645	4505	Sat	365/00 Out	USB	(AB)
E11	16-3	0600	8680	Sun	350/00 Out	USB	(AB)
E11	16-3	0700	9079	Sun	496/00 Out	USB	(AB)
E11	16-3	1645	4505	Sun	363/00 Out	USB	(AB)
E11	16-3	1745	13470	Sun	245/00 Out	USB	(AB)
E11	16-3	1815	11116	Sun	927/00 Out	USB	(AB)
E11	16-3	2000	5737	Sun	528/00 Out	USB	(AB)
E11	17-3	0600	25839	Mon	946/00 Out	USB	(AB-POL)
E11	17-3	0645	10800	Mon	413/00 Out	USB	(AB)
E11	17-3	0715	19515	Mon	752/00 Out	USB	(AB)
E11	17-3	0745	10213	Mon	260/00 Out	USB	(AB)
E11	17-3	0830	20170	Mon	180/00 Out	USB	(AB-POL)
E11	17-3	0845	12202	Mon	715/00 Out	USB	(AB)
E11	17-3	0900	13117	Mon	533/00 Out	USB	(AB)
E11	17-3	1300	5371	Mon	312/00 Out	USB	(AB-POL)
E11	17-3	1745	13470	Mon	248/00 Out	USB	(AB)
E11	18-3	0715	15720	Tue	639/00 Out	USB	(AB)
E11	18-3	0745	14865	Tue	225/00 Out	USB	(AB)
E11	18-3	0820	19184	Tue	136/00 Out	USB	(AB)
E11	18-3	0845	18168	Tue	157/00 Out	USB	(AB)
E11	18-3	1000	9951	Tue	306/00 Out	USB	(AB)
E11	18-3	1205	9399	Tue	463/00 Out	USB	(AB)
E11	18-3	1230	12530	Tue	331/00 Out	USB	(AB)
E11	18-3	1605	5176	Tue	237/00 Out	USB	(AB/Lac)
E11	19-3	0600	25839	Wed	945/00 Out	USB	(AB-POL)
E11	19-3	0645	10800	Wed	416/00 Out	USB	(AB)
E11	19-3	0715	19515	Wed	750/00 Out	USB	(AB-POL)
E11	19-3	0820	19184	Wed	130/00 Out	USB	(AB-POL)
E11	19-3	0845	12202	Wed	713/00 Out	USB	(AB)
E11	19-3	0900	13117	Wed	537/00 Out	USB	(AB)
E11	19-3	0930	6940	Wed	273/00 Out	USB	(AB)
E11	19-3	1610	4181	Wed	390/00 Out	USB	(AB)
E11	19-3	1715	6923	Wed	976/00 Out	USB	(AB)

E11	20-3	0720	9446	Thu	439/00 Out	USB	(AB)
E11	20-3	0745	14865	Thu	224/00 Out	USB	(AB)
E11	20-3	0845	18168	Thu	150/00 Out	USB	(AB)
E11	20-3	0930	6940	Thu	271/00 Out	USB	(AB)
E11	20-3	1300	5371	Thu	314/00 Out	USB	(AB)
E11	20-3	1530	10330	Thu	268/00 Out	USB	(AB)
E11	20-3	2000	5737	Thu	521/00 Out	USB	(AB)
E11	21-3	0600	8680	Fri	354/00 Out	USB	(AB)
E11	21-3	0715	15720	Fri	630/00 Out	USB	(AB)
E11	21-3	0720	9446	Fri	430/00 Out	USB	(AB)
E11	21-3	0830	20170	Fri	182/00 Out	USB	(AB)
E11	21-3	1000	9951	Fri	302/00 Out	USB	(AB)
E11	21-3	1715	6923	Fri	970/00 Out	USB	(AB)
E11	21-3	1910	8530	Fri	613/00 Out	USB	(AB)
E11	22-3	1610	4181	Sat	392/00 Out	USB	(AB)
E11	22-3	1645	4505	Sat	364/00 Out	USB	(AB)
E11	23-3	0600	8680	Sun	358/00 Out	USB	(AB)
E11	23-3	1605	5176	Sun	236/00 Out	USB	(AB)
E11	23-3	1645	4505	Sun	360/00 Out	USB	(AB)
E11	23-3	1745	13470	Sun	248/00 Out	USB	(AB)
E11	23-3	1910	8530	Sun	612/00 Out	USB	(AB)
E11	23-3	2000	5737	Sun	527/00 Out	USB	(AB)
E11	24-3	0600	25839	Mon	940/00 Out	USB	(AB-POL)
E11	24-3	0645	10800	Mon	418/00 Out	USB	(AB)
E11	24-3	0715	19515	Mon	759/00 Out	USB	(AB)
E11	24-3	0830	20170	Mon	189/00 Out	USB	(AB-POL)
E11	24-3	0845	12202	Mon	718/00 Out	USB	(AB)
E11	24-3	1045	12385	Mon	692/00 Out	USB	(AB)
E11	24-3	1300	5371	Mon	312/33 Out	USB	(Lac)
E11	24-3	1745	13470	Mon	246/00 Out	USB	(AB)
E11	24-3	1900	7317	Mon	643/00 Out	USB	(AB)
E11	25-3	0645	13470	Tue	517/00 Out	USB	(AB)
E11	25-3	0715	15720	Tue	633/00 Out	USB	(AB)
E11	25-3	0745	14865	Tue	228/00 Out	USB	(AB)
E11	25-3	0800	8180	Tue	579/00 Out	USB	(AB)
E11	25-3	0820	19184	Tue	135/00 Out	USB	(AB)
E11	25-3	0845	18168	Tue	157/00 Out	USB	(AB)
E11	25-3	1000	9951	Tue	309/00 Out	USB	(AB)
E11	25-3	1205	9399	Tue	461/00 Out	USB	(AB)
E11	25-3	1205	9399	Tue	461/00 Out	USB	(Lac)
E11	25-3	1430	14972	Tue	915/00 Out	USB	(AB)

E11	25-3	1605	5176	Tue	230/00 Out	USB	(AB)
E11	26-3	0600	25839	Wed	945/00 Out	USB	(AB-POL)
E11	26-3	0645	10800	Wed	410/00 Out	USB	(AB)
E11	26-3	0715	19515	Wed	751/00 Out	USB	(AB-POL)
E11	26-3	0745	17410	Wed	340/00 Out	USB	(AB)
E11	26-3	0820	19184	Wed	134/00 Out	USB	(AB-POL)
E11	26-3	0845	12202	Wed	716/00 Out	USB	(AB)
E11	26-3	1045	12385	Wed	696/00 Out	USB	(AB)
E11	26-3	1205	9399	Wed	466/00 Out	USB	(AB)
E11	26-3	1610	4181	Wed	396/00 Out	USB	(AB)
E11	26-3	1715	6923	Wed	975/00 Out	USB	(AB)
E11	27-3	0645	13470	Thu	510/00 Out	USB	(AB)
E11	27-3	0720	9446	Thu	430/00 Out	USB	(AB)
E11	27-3	0745	14865	Thu	224/00 Out	USB	(AB)
E11	27-3	0845	18168	Thu	154/00 Out	USB	(AB)
E11	27-3	0930	6940	Thu	270/00 out	USB	(AB)
E11	27-3	1900	7317	Thu	644/00 Out	USB	(AB)
E11	28-3	0600	8680	Fri	352/00 Out	USB	(AB)
E11	28-3	0700	8180	Fri	574/00 Out	USB	(AB/Lac)
E11	28-3	0715	15720	Fri	639/00 Out	USB	(AB/Lac)
E11	28-3	0720	9446	Fri	439/00 Out	USB	(AB/Lac)
E11	28-3	0745	17410	Fri	346/00 Out	USB	(AB)
E11	28-3	0830	20170	Fri	180/00 oUT	USB	(AB/Lac)
E11	28-3	1000	9951	Fri	309/00 Out	USB	(AB)
E11	28-3	1715	6923	Fri	975/00 Out	USB	(AB)
E11	28-3	1815	11116	Fri	924/00 Out	USB	(AB)
E11	28-3	1910	8530	Fri	618/00 Out	USB	(AB)
E11	29-3	0700	9079	Sat	492/00 Out	USB	(AB)
E11	29-3	1430	14972	Sat	918/00 Out	USB	(AB)
E11	29-3	1610	4181	Sat	394/00 Out	USB	(AB/Lac)
E11	29-3	1645	4505	Sat	366/00 Out	USB	(AB)
E11	30-3	0600	8680	Sun	353/00 Out	USB	(AB)
E11	30-3	0700	9079	Sun	497/00 Out	USB	(AB)
E11	30-3	1605	5176	Sun	232/00 Out	USB	(AB)
E11	30-3	1645	4505	Sun	360/00 Out	USB	(AB)
E11	30-3	1745	13470	Sun	249/00 Out	USB	(AB)
E11	30-3	1815	11116	Sun	927/00 Out	USB	(AB)
E11	30-3	1910	8530	Sun	612/00 Out	USB	(AB)
E11	31-3	0600	25839	Mon	945/00 Out	USB	(AB-POL/Lac)
E11	31-3	0645	10800	Mon	414/00 Out	USB	(AB/Lac)
E11	31-3	0715	19515	Mon	759/00 Out	USB	(AB)

E11	31-3	0745	10213	Mon	269/00 Out	USB	(AB/Lac)
E11	31-3	0830	20170	Mon	182/00 Out	USB	(AB-POL/Lac)
E11	31-3	0845	12202	Mon	718/00 Out	USB	(AB/Lac)
E11	31-3	0900	13117	Mon	530/00 Out	USB	(AB/Lac)
E11	31-3	1045	12385	Mon	692/00 Out	USB	(AB)
E11	31-3	1300	5371	Mon	310/00 Out	USB	(AB-POL/Lac)
E11	31-3	1745	13470	Mon	242/00 Out	USB	(AB/Lac)
E11	31-3	1900	7317	Mon	649/00 Out	USB	(AB/Lac)
E11a	3-3	0645	10800	Mon	412/34 Attention 91618 00237 07568 ... 57674 56979 11076 Attention (msg rptd) Out	USB	(AB)
E11a	3-3	0645	10800	Mon	412/34 Attention 91618 00237 07568 ... 57674 56979 11076 Attention (msg rptd) Out	USB	(AB)
E11a	3-3	0715	19515	Mon	754/33 Attention 88098 16859 01978 ... 17074 76992 85471 Attention (msg rptd) Out	USB	(AB/HFD)
E11a	3-3	0845	12202	Mon	719/39 Attention 42183 54686 31036 ... 92578 48880 70087 Attention (msg rptd) Out	USB	(AB/HFD/Lac)
E11a	3-3	1745	13470	Mon	247/35 Attention 03107 10851 01530 ... 38535 92681 68110 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	4-3	0715	15720	Tue	631/36 Attention 33235 75038 28186 ... 99373 95520 32922 Attention (msg rptd) Out	USB	(AB/Lac/HFD)
E11a	4-3	0745	14865	Tue	225/39 Attention 91700 98058 22770 ... 63465 61277 71711 Attention (msg rptd) Out	USB	(AB/Lac/HFD)
E11a	4-3	0845	18168	Tue	156/30 Attention 17029 94379 75142 ... 20563 69336 08298 Attention (msg rptd) Out	USB	(AB/HFD)
E11a	4-3	1205	9399	Tue	467/37 Attention 32502 30960 26537 ... 27004 59067 77298 Attention (msg rptd) Out	USB	(AB)
E11a	4-3	1205	9399	Tue	460/37 Attention 32502 ...	USB	(HFD)
E11a	5-3	0715	19515	Wed	754/33 Attention 88098 16859 01978 ... 17074 76992 85471 Attention (msg rptd) Out	USB	(AB)
E11a	5-3	0845	12202	Wed	719/39 Attention 42183 54686 31036 ... 92578 48880 70087 Attention (msg rptd) Out	USB	(AB)
E11a	6-3	0745	14865	Thu	225/39 Attention 91700 98058 22770 ... 63465 61277 71711 Attention (msg rptd) Out	USB	(AB)
E11a	6-3	0845	18168	Thu	156/30 Attention 17029 94379 75142 ... 20563 69336 08298 Attention (msg rptd) Out	USB	(AB)
E11a	7-3	0600	8680	Fri	359/40 Attention 60729 37290 32134 ... 91514 41483 29826 Attention (msg rptd) Out	USB	(AB)
E11a	7-3	0715	15720	Fri	631/36 Attention 33235 75038 28186 ... 99373 95520 32922 Attention (msg rptd) Out	USB	(AB)
E11a	8-3	1645	4505	Sat	365/34 Attention 64012 14270 81250 ... 74914 06836 47860 Attention (msg rptd) Out	USB	(AB)
E11a	9-3	0600	8680	Sun	359/40 Attention 60729 37290 32134 ... 91514 41483 29826 Attention (msg rptd) Out	USB	(AB)
E11a	9-3	1645	4505	Sun	365/34 Attention 64012 14270 81250 ... 74914 06836 47860 Attention (msg rptd) Out	USB	(AB)
E11a	9-3	1745	13470	Sun	247/35 Attention 03107 10851 01530 ... 38535 92681 68110 Attention (msg rptd) Out	USB	(AB)
E11a	10-3	0830	20170	Mon	188/33 Attention 98233 68901 56910 ... 07138 93977 39772 Attention (msg rptd) Out	USB	(AB-POL/Lac)
E11a	11-3	0820	19184	Tue	130/33 Attention 17406 29699 00782 ... 60737 55501 10624 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	11-3	1000	9951	Tue	302/21 Attention 00660 53523 47101 ... 39011 62313 37982 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	11-3	1605	5176	Tue	231/36 Attention 02670 50126 36743 ... 96531 14562 22825 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	12-3	0600	25839	Wed	948/23 Attention 47199 97459 96131 ... 28648 86070 08724 Attention (msg rptd) Out	USB	(AB-POL)
E11a	12-3	0820	19184	Wed	130/33 Attention 17406 29699 00782 ... 60737 55501 10624 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	12-3	1610	4181	Wed	393/38 Attention 17293 47975 45037 ... 87482 87964 61587 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	12-3	1715	6923	Wed	978/30 Attention 69970 54800 00890 ... 85502 21992 34945 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	13-3	0720	9446	Thu	435/34 Attention 93111 04455 70065 ... 72751 09171 25269 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	14-3	0830	20170	Fri	188/33 Attention 98233 68901 56910 ... 07138 93977 39772 Attention (msg rptd) Out	USB	(AB)
E11a	14-3	1000	9951	Fri	302/21 Attention 00660 53523 47101 ... 39011 62313 37982 Attention (msg rptd) Out	USB	(AB)
E11a	14-3	1715	6923	Fri	978/30 Attention 69970 54800 00890 ... 85502 21992 34945 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	14-3	1910	8530	Fri	612/40 Attention 19310 25255 44101 ... 95263 48861 07371 Attention (msg rptd) Out	USB	(AB/Lac)

E11a	15-3	1610	4181	Sat	393/38 Attention 17293 47975 45037 ... 87482 87964 61587 Attention (msg rptd) Out	USB	(AB)
E11a	16-3	1605	5176	Sun	231/36 Attention 02670 50126 36743 ... 96531 14562 22825 Attention (msg rptd) Out	USB	(AB)
E11a	16-3	1910	8530	Sun	612/40 Attention 19310 25255 44101 ... 95263 48861 07371 Attention (msg rptd) Out	USB	(AB)
E11a	17-3	1045	12385	Mon	698/23 Attention 65367 69316 74241 ... 87788 75524 53494 Attention (msg rptd) Out	USB	(AB)
E11a	17-3	1900	7317	Mon	647/31 Attention 65030 23784 76152 ... 27016 00898 36286 Attention (msg rptd) Out	USB	(AB)
E11a	18-3	0645	13470	Tue	514/36 Attention 56387 56774 98345 ... 26650 53045 44633 Attention (msg rptd) Out	USB	(AB)
E11a	18-3	0800	8180	Tue	574/39 Attention 69659 38125 11313 ... 55161 98104 63046 Attention (msg rptd) Out	USB	(AB)
E11a	18-3	1430	14972	Tue	910/33 Attention 17052 18277 94515 ... 93557 38569 38016 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	19-3	0745	17410	Wed	348/36 Attention 18821 76509 61794 ... 60627 20705 34269 Attention (msg rptd) Out	USB	(AB-POL)
E11a	19-3	1045	12385	Wed	698/23 Attention 65367 69316 74241 ... 87788 75524 53494 Attention (msg rptd) Out	USB	(AB)
E11a	20-3	0645	13470	Thu	514/36 Attention 56387 56774 98345 ... 26650 53045 44633 Attention (msg rptd) Out	USB	(AB)
E11a	20-3	1900	7317	Thu	647/31 Attention 65030 23784 76152 ... 27016 00898 36286 Attention (msg rptd) Out	USB	(AB)
E11a	21-3	0700	8180	Fri	574/39 Attention 69659 38125 11313 ... 55161 98104 63046 Attention (msg rptd) Out	USB	(AB)
E11a	21-3	0745	17410	Fri	348/36 Attention 18821 76509 61794 ... 60627 20705 34269 Attention (msg rptd) Out	USB	(AB)
E11a	21-3	1815	11116	Fri	926/39 Attention 84504 42478 33465 ... 69853 09590 45937 Attention (msg rptd) Out	USB	(AB)
E11a	22-3	0700	9079	Sat	498/40 Attention 57680 06615 73644 ... 05202 62400 02993 Attention (msg rptd) Out	USB	(AB)
E11a	22-3	1430	14972	Sat	910/33 Attention 17052 18277 94515 ... 93557 38569 38016 Attention (msg rptd) Out	USB	(AB)
E11a	23-3	0700	9079	Sun	498/40 Attention 57680 06615 73644 ... 05202 62400 02993 Attention (msg rptd) Out	USB	(AB)
E11a	23-3	1815	11116	Sun	926/39 Attention 84504 42478 33465 ... 69853 09590 45937 Attention (msg rptd) Out	USB	(AB)
E11a	24-3	0745	10213	Mon	261/35 Attention 84098 10650 37786 ... 76414 60564 97054 Attention (msg rptd) Out	USB	(AB)
E11a	24-3	0900	13117	Mon	532/32 Attention 97704 36536 36629 ... 82781 72008 43440 Attention (msg rptd) Out	USB	(AB)
E11a	24-3	1300	5371	Mon	312/33 Attention 09426 38299 89537 ... 66666 70120 54049 Attention (msg rptd) Out	USB	(AB-POL)
E11a	25-3	1230	12530	Tue	333/40 Attention 04406 55493 02167 ... 89943 36416 61831 Attention (msg rptd) Out	USB	(AB)
E11a	26-3	0900	13117	Wed	532/32 Attention 97704 36536 36629 ... 82781 72008 43440 Attention (msg rptd) Out	USB	(AB)
E11a	26-3	0930	6940	Wed	270/33 Attention 97582 91838 95956 ... 57154 71780 89094 Attention (msg rptd) Out	USB	(AB)
E11a	27-3	1230	12530	Thu	333/40 Attention 04406 55493 02167 ... 89943 36416 61831 Attention (msg rptd) Out	USB	(AB/PY/Lac)
E11a	27-3	1300	5371	Thu	312/33 Attention 09426 38299 89537 ... 66666 70120 54049 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	27-3	1530	10330	Thu	261/35 Attention 84098 10650 37786 ... 76414 60564 97054 Attention (msg rptd) Out	USB	(AB)
E11a	27-3	2000	5737	Thu	520/31 Attention 28437 91045 46636 ... 01971 68550 39032 Attention (msg rptd) Out	USB	(AB)
E11a	30-3	2000	5737	Sun	520/31 Attention 28437 91045 46636 ... 01971 68550 39032 Attention (msg rptd) Out	USB	(AB)
EGY	4-3	1318	20056.7	Tue	MFA Cairo clg RCVB: Russian embassy Washington	SITOR-A 100/170	(AB)
EGY	4-3	1321	20055	Tue	99903: MFA Cairo wkg 66601: Russian embassy Washington	CODAN	(AB)
EGY	6-3	0810	19100	Thu	99901: MFA Cairo wkg 44405: Egyptian embassy Islamabad	CODAN	(AB)
EGY	6-3	0839	19101.7	Thu	MFA Cairo clg OOV: Egyptian embassy Islamabad	SITOR-A 100/170	(AB)
EGY	6-3	0840	19100	Thu	99901: MFA Cairo wkg 44405: Egyptian embassy Islamabad	CODAN	(AB)
EGY	6-3	0917	19101.7	Thu	Egyptian embassy New Delhi clg SSTB: MFA Cairo	SITOR-A 100/170	(AB)
EGY	6-3	0918	19100	Thu	44406: Egyptian embassy New Delhi wkg 99901: MFA Cairo	CODAN	(AB)
EGY	6-3	0937	19101.7	Thu	Egyptian embassy New Delhi clg SSTB: MFA Cairo	SITOR-A 100/170	(AB)
EGY	6-3	0939	19100	Thu	99901: MFA Cairo wkg 44406: Egyptian embassy New Delhi	CODAN	(AB)
EGY	6-3	1021	20036.7	Thu	Egyptian embassy Conakry clg SSTU: MFA Cairo	SITOR-A 100/170	(AB)
EGY	6-3	1022	20036.7	Thu	MFA Cairo wkg KKVD: Egyptian embassy Conakry	SITOR-A 100/170	(AB)

EGY	6-3	1313	20056.7	Thu	MFA Cairo clg RCVB: Egyptian embassy Washington	SITOR-A 100/170	(AB)
EGY	6-3	1315	20055	Thu	99903: MFA Cairo wkg 66601: Egyptian embassy Washington	CODAN	(AB)
EGY	10-3	1252	20056.7	Mon	MFA Cairo clg RCVB: Egyptan embassy Washington	SITOR-A 100/170	(AB)
EGY	10-3	1254	20056.7	Mon	Egyptan embassy Washington clg SSTE: MFA Cairo	SITOR-A 100/170	(AB)
EGY	10-3	1255	20055	Mon	66601: Egyptian embassy Washington wkg 99903: MFA Cairo	CODAN	(AB)
EGY	11-3	1346	20056.7	Tue	MFA Cairo clg RCVB: Egyptian embassy Washington	SITOR-A 100/170	(AB)
EGY	11-3	1348	20056.7	Tue	Egyptian embassy Washington clg SSTE: MFA Cairo	SITOR-A 100/170	(AB)
EGY	11-3	1349	20055	Tue	66601: Egyptian embassy Washington connecting to 99903: MFA Cairo	CODAN	(AB)
EGY	11-3	1350	20055	Tue	99903: MFA Cairo wkg 66601: Egyptian embassy Washington	CODAN	(AB)
EGY	11-3	1432	20056.7	Tue	MFA Cairo clg OOV: Egyptian embassy Islamabad	SITOR-A 100/170	(AB)
EGY	11-3	1433	20055	Tue	99901: MFA Cairo wkg 44405: Egyptian embassy Islamabad	CODAN	(AB)
EGY	12-3	1240	20036.7	Wed	MFA Cairo clg KQVA: Egyptian embassy Lagos	SITOR-A 100/170	(AB)
EGY	13-3	1138	20056.7	Thu	MFA Cairo clg OOV: Egyptian embassy Islamabad	SITOR-A 100/170	(AB)
EGY	13-3	1140	20056.7	Thu	Egyptian embassy Islamabad clg SSVX for a while, then SSTB: MFA Cairo	SITOR-A 100/170	(AB)
EGY	13-3	1142	20055	Thu	99901: MFA Cairo wkg 44405: Egyptian embassy Islamabad	CODAN	(AB)
EGY	17-3	0755	19101	Mon	99901: MFA Cairo wkg 44405: Egyptian embassy Islamabad	CODAN	(AB)
EGY	17-3	0755	19101.7	Mon	MFA Cairo clg OOV: Egyptian embassy Islamabad	SITOR-A 100/170	(AB)
EGY	17-3	1441	20055	Mon	99901: MFA Cairo wkg 44405: Egyptian embassy Islamabad	CODAN	(AB)
EGY	17-3	1441	20056.7	Mon	MFA Cairo clg OOV: Egyptian embassy Islamabad	SITOR-A 100/170	(AB)
EGY	18-3	1442	20056.7	Tue	MFA Cairo clg OOV: Egyptian embassy Islamabad	SITOR-A 100/170	(AB)
EGY	18-3	1443	20055	Tue	99901: MFA Cairo wkg 44405: Egyptian embassy Islamabad	CODAN	(AB)
EGY	20-3	0800	19101.7	Thu	MFA Cairo clg OOV: Egyptian embassy New Delhi	SITOR-A 100/170	(AB)
EGY	20-3	0803	19101	Thu	99901: MFA Cairo wkg 44406: Egyptian embassy New Delhi	CODAN	(AB)
EGY	26-3	1502	20056.7	Wed	Egyptian embassy New Delhi clg SSTB: MFA Cairo	SITOR-A 100/170	(AB)
EGY	26-3	1503	20055	Wed	44406: Egyptian embassy wkg 99901: MFA Cairo	CODAN	(AB)
EGY	26-3	1523	20056.7	Wed	Unid embassy wkg clg SSTB: MFA Cairo KY KY UII+? KY KY SSTB SSTB NN+	SITOR-A 100/170	(AB)
F01	3-3	1015	10861	Mon	Message 78	FSK 200/500	(AB)
F01	3-3	1025	8187	Mon	Message 78	FSK 200/500	(AB)
F01	3-3	1035	6939	Mon	Message 78	FSK 200/500	(AB)
F01	4-3	1015	10861	Tue	Messages 79 and 80	FSK 200/500	(AB)
F01	4-3	1025	8187	Tue	Messages 79 and 80	FSK 200/500	(AB)
F01	4-3	1035	6939	Tue	Messages 70 and 80	FSK 200/500	(AB)
F01	5-3	1015	10861	Wed	Message 81	FSK 200/500	(AB/HFD)
F01	5-3	1025	8187	Wed	Message 81	FSK 200/500	(AB/HFD)
F01	5-3	1035	6939	Wed	Message 81	FSK 200/500	(AB/HFD)
F01	6-3	1015	10861	Thu	Messages 82 and 83	FSK 200/500	(AB)
F01	6-3	1025	8187	Thu	Messages 82 and 83	FSK 200/500	(AB)
F01	6-3	1035	6939	Thu	Messages 82 and 83	FSK 200/500	(AB)
F01	7-3	1015	10861	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	7-3	1025	8187	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	7-3	1035	6939	Fri	00000 +++++ +++++	FSK 200/500	(AB)

F01	10-3	1015	10861	Mon	Message 84	FSK 200/500	(AB)
F01	10-3	1025	8187	Mon	Message 84	FSK 200/500	(AB)
F01	10-3	1035	6939	Mon	Message 84	FSK 200/500	(AB)
F01	11-3	1015	10861	Tue	Messages 85 and 86	FSK 200/500	(AB)
F01	11-3	1025	8187	Tue	Messages 85 and 86	FSK 200/500	(AB)
F01	11-3	1035	6939	Tue	Messages 85 and 86	FSK 200/500	(AB)
F01	12-3	1015	10861	Wed	Message 87	FSK 200/500	(AB)
F01	12-3	1025	8187	Wed	Message 87	FSK 200/500	(AB)
F01	12-3	1035	6939	Wed	Message 87	FSK 200/500	(AB)
F01	13-3	1015	10861	Thu	Messages 88 and 89	FSK 200/500	(AB)
F01	13-3	1025	8187	Thu	Messages 88 and 89	FSK 200/500	(AB)
F01	13-3	1035	6939	Thu	Messages 88 and 89	FSK 200/500	(AB)
F01	14-3	1015	10861	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	14-3	1025	8187	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	14-3	1035	6939	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	17-3	1015	10861	Mon	Message 90	FSK 200/500	(AB)
F01	17-3	1025	8187	Mon	Message 90	FSK 200/500	(AB)
F01	17-3	1035	6939	Mon	Message 90	FSK 200/500	(AB)
F01	18-3	1015	10861	Tue	Messages 91 and 92	FSK 200/500	(AB)
F01	18-3	1025	8187	Tue	Messages 91 and 92	FSK 200/500	(AB)
F01	18-3	1035	6939	Tue	Messages 91 and 92	FSK 200/500	(AB)
F01	19-3	1015	10861	Wed	Message 93	FSK 200/500	(AB)
F01	19-3	1025	8187	Wed	Message 93	FSK 200/500	(AB)
F01	19-3	1035	6939	Wed	Message 93	FSK 200/500	(AB)
F01	20-3	1015	10861	Thu	No transmission	FSK 200/500	(AB)
F01	20-3	1025	8187	Thu	No transmission	FSK 200/500	(AB)
F01	20-3	1035	6939	Thu	No transmission	FSK 200/500	(AB)
F01	21-3	1015	10861	Fri	No transmission	FSK 200/500	(AB)
F01	21-3	1025	8187	Fri	No transmission	FSK 200/500	(AB)
F01	21-3	1035	6939	Fri	No transmission	FSK 200/500	(AB)
F01	24-3	1015	10861	Mon	Message 94	FSK 200/500	(AB)
F01	24-3	1025	8187	Mon	Message 94	FSK 200/500	(AB)
F01	24-3	1035	6939	Mon	Message 94	FSK 200/500	(AB)
F01	25-3	1015	10861	Tue	Messages 95 and 96	FSK 200/500	(AB)
F01	25-3	1025	8187	Tue	Messages 95 and 96	FSK 200/500	(AB)
F01	25-3	1035	6939	Tue	Messages 95 and 96	FSK 200/500	(AB)
F01	26-3	1015	10861	Wed	Message 97	FSK 200/500	(AB)
F01	26-3	1025	8187	Wed	Message 97	FSK 200/500	(AB)
F01	26-3	1035	6939	Wed	Message 97	FSK 200/500	(AB)
F01	26-3	1100	10826	Wed	Message 30	FSK 200/500	(PY)
F01	26-3	1110	13379	Wed	Message 30	FSK 200/500	(AB/PY)

F01	26-3	1120	16296	Wed	Message 30	FSK 200/500	(AB/PY)
F01	27-3	1015	10861	Thu	Messages 98 and 99	FSK 200/500	(AB)
F01	27-3	1025	8187	Thu	Messages 98 and 99	FSK 200/500	(AB)
F01	27-3	1035	6939	Thu	Messages 98 and 99	FSK 200/500	(AB)
F01	28-3	1015	10861	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	28-3	1025	8187	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	28-3	1035	6939	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	31-3	1015	10861	Mon	Message 01	FSK 200/500	(AB)
F01	31-3	1025	8187	Mon	Message 01	FSK 200/500	(AB)
F01	31-3	1035	6939	Mon	Message 01	FSK 200/500	(AB)
F02	25-3	1024	16232	Tue	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	25-3	1038	16215	Tue	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	25-3	1045	16232	Tue	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	25-3	1051	16215	Tue	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	25-3	1052	11168	Tue	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	25-3	1052	16236	Tue	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	25-3	1102	11168	Tue	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	25-3	1203	11482	Tue	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	25-3	1213	19431	Tue	Russian domestic net (2 channels)	MFSK-4 150Bd/4000Hz	(AB)
F02	25-3	1217	19431	Tue	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	25-3	1232	19431	Tue	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	25-3	1240	17523	Tue	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	26-3	0605	17421	Wed	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	26-3	0622	16154	Wed	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	26-3	0630	16154	Wed	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	26-3	0635	12205	Wed	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	26-3	0710	14983	Wed	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	26-3	0720	13383	Wed	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	26-3	0810	12155	Wed	Russian domestic net (1hr txm)	MFSK-4 150Bd/4000Hz	(AB)
F02	26-3	0827	13807	Wed	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	26-3	0840	13807	Wed	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	26-3	0850	15653	Wed	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	26-3	0916	12155	Wed	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	26-3	0930	12155	Wed	Russian domestic net (1h txm)	MFSK-4 150Bd/4000Hz	(AB)
F02	26-3	1010	14678	Wed	Russian domestic net test	MFSK-4 150Bd/4000Hz	(AB)
F02	26-3	1020	14678	Wed	Russian domestic net test	MFSK-4 150Bd/4000Hz	(AB)
F02	26-3	1200	11482	Wed	Russian domestic net (1h txm)	MFSK-4 150Bd/4000Hz	(AB)
F02	26-3	1212	19431	Wed	Russian domestic net test	MFSK-4 150Bd/4000Hz	(AB)
F02	26-3	1216	19431	Wed	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	26-3	1230	19431	Wed	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	26-3	1239	17523	Wed	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)

F02	27-3	0930	12155	Thu	Russian domestic net (1h txm)	MFSK-4 150Bd/4000Hz	(AB)
F02	27-3	0930	13392	Thu	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	27-3	1000	20875	Thu	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	27-3	1015	13392	Thu	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	27-3	1020	13884	Thu	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	27-3	1435	14815	Thu	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	27-3	1642	11540	Thu	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	27-3	1647	11540	Thu	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	27-3	1719	12145	Thu	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	29-3	1258	17490	Sat	Russian domestic net. Test	MFSK-4 150Bd/4000Hz	(AB)
F02	29-3	1310	17490	Sat	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	29-3	1322	16233	Sat	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	29-3	1330	17485	Sat	Russian domestic net. Test	MFSK-4 150Bd/4000Hz	(AB)
F02	29-3	1340	17485	Sat	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	29-3	1350	13590	Sat	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	30-3	1300	17490	Sun	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	30-3	1320	16233	Sun	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	30-3	1340	17485	Sun	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	31-3	1152	15667	Mon	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	31-3	1311	17490	Mon	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	31-3	1322	16233	Mon	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	31-3	1322	17485	Mon	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	31-3	1332	13590	Mon	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F02	31-3	1352	13590	Mon	Russian domestic net	MFSK-4 150Bd/4000Hz	(AB)
F03j	3-3	0810	25336	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	3-3	0815	25336	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	4-3	1500	11486	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	4-3	1505	11486	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-3	0615	21854	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-3	0620	21854	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-3	0630	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	5-3	0635	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-3	0615	12229	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-3	0620	12229	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-3	0735	10641	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	6-3	0740	10641	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-3	0700	9339	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-3	0705	9339	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-3	0810	25336	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-3	0815	25336	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	7-3	1500	11486	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03j	7-3	1505	11486	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	10-3	0630	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	10-3	0635	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	10-3	0810	25336	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	10-3	0815	25336	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-3	0615	12229	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-3	0620	12229	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-3	1500	11486	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	11-3	1505	11486	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-3	0615	21854	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-3	0620	21854	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-3	0630	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	12-3	0635	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-3	0615	12229	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-3	0620	12229	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-3	0700	9339	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-3	0705	9339	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-3	0735	10641	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	13-3	0740	10641	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-3	0700	9339	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-3	0705	9339	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-3	0810	25336	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-3	0815	25336	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-3	1500	11486	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	14-3	1505	11486	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-3	0630	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-3	0635	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	17-3	0810	25336	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	17-3	0815	25336	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	18-3	0615	12229	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-3	0620	12229	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-3	1500	11486	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	18-3	1505	11486	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-3	0615	21854	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	19-3	0620	21854	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	19-3	0630	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	19-3	0635	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-3	0615	12229	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-3	0620	12229	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-3	0700	9339	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-3	0705	9339	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

F03j	20-3	0735	10641	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	20-3	0740	10641	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-3	0700	9339	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-3	0705	9339	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-3	0810	25336	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-3	0815	25336	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-3	1500	11486	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	21-3	1505	11486	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-3	0615	21854	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-3	0620	21854	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-3	0630	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-3	0635	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	24-3	0810	25336	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	24-3	0815	25336	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	25-3	0615	12229	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-3	0620	12229	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-3	1500	11486	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	25-3	1505	11486	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-3	0615	21854	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	26-3	0620	21854	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	26-3	0630	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	26-3	0635	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-3	0615	12229	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-3	0620	12229	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-3	0700	9339	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-3	0705	9339	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-3	0735	10641	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	27-3	0740	10641	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-3	0700	9339	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-3	0705	9339	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-3	0810	25336	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-3	0815	25336	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-3	1500	11486	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	28-3	1505	11486	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	31-3	0530	23830	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	31-3	0535	23830	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03j	31-3	0615	21854	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	31-3	0620	21854	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	31-3	0630	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	31-3	0635	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
F03j	31-3	0810	25336	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)

F03j	31-3	0815	25336	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
F03I	3-3	0735	10461	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	3-3	0740	10461	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	3-3	0930	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	3-3	0935	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	3-3	0950	13363	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	3-3	0955	13363	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	3-3	1010	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	3-3	1015	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	3-3	1030	12089	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	3-3	1035	12089	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	3-3	1830	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	3-3	1835	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4-3	0635	25336	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4-3	0640	25336	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4-3	0725	13873	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4-3	0730	13873	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4-3	0800	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4-3	0805	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4-3	0810	15915	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4-3	0815	15915	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4-3	0835	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4-3	0840	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4-3	0945	6480	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	4-3	0950	6480	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5-3	0800	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5-3	0805	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5-3	0950	13363	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5-3	0955	13363	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5-3	1010	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5-3	1015	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5-3	1030	12089	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5-3	1035	12089	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5-3	1315	15915	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	5-3	1320	15915	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	6-3	0725	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	6-3	0730	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	6-3	0835	18030	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	6-3	0840	18030	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	6-3	0915	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	6-3	0920	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)

F03I	6-3	1830	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	6-3	1835	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7-3	0850	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7-3	0855	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7-3	0930	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7-3	0935	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7-3	0945	6480	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7-3	0950	6480	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7-3	1315	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	7-3	1320	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-3	0735	10461	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-3	0740	10461	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-3	0930	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-3	0935	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-3	0950	13363	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-3	0955	13363	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-3	1010	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-3	1015	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-3	1030	12089	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-3	1035	12089	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-3	1830	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	10-3	1835	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-3	0635	25336	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-3	0640	25336	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-3	0725	13873	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-3	0730	13873	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-3	0800	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-3	0805	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-3	0810	15915	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-3	0815	15915	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-3	0835	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-3	0840	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-3	0945	6480	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	11-3	0950	6480	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-3	0800	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-3	0805	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-3	0915	6849	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-3	0920	6849	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-3	0950	13363	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-3	0955	13363	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-3	1010	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)

F03I	12-3	1015	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-3	1030	12089	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-3	1035	12089	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-3	1315	15915	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	12-3	1320	15915	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13-3	0635	25336	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13-3	0640	25336	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13-3	0725	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13-3	0730	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13-3	0835	18030	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13-3	0840	18030	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13-3	0915	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13-3	0920	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13-3	1830	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	13-3	1835	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14-3	0850	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14-3	0855	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14-3	0930	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14-3	0935	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14-3	0945	6480	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	14-3	0950	6480	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-3	0735	10461	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-3	0740	10461	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-3	0930	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-3	0935	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-3	0950	13363	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-3	0955	13363	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-3	1010	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-3	1015	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-3	1030	12089	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-3	1035	12089	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-3	1830	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-3	1835	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-3	0635	25336	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-3	0640	25336	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-3	0725	13873	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-3	0730	13873	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-3	0800	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-3	0805	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-3	0810	15915	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-3	0815	15915	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)

F03I	18-3	0835	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-3	0840	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-3	0945	6480	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-3	0950	6480	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-3	0800	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-3	0805	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-3	0915	6849	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-3	0920	6849	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-3	0950	13363	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-3	0955	13363	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-3	1010	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-3	1015	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-3	1030	12089	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-3	1035	12089	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-3	1315	15915	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	19-3	1320	15915	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	20-3	0635	25336	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	20-3	0640	25336	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	20-3	0725	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	20-3	0730	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	20-3	0835	18030	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	20-3	0840	18030	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	20-3	0915	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	20-3	0920	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	20-3	1830	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	20-3	1835	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	21-3	0850	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	21-3	0855	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	21-3	0930	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	21-3	0935	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	21-3	0945	6480	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	21-3	0950	6480	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	21-3	1315	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	21-3	1320	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-3	0735	10461	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-3	0740	10461	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-3	0930	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-3	0935	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-3	0950	13363	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-3	0955	13363	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-3	1010	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)

F03I	24-3	1015	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-3	1030	12089	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-3	1035	12089	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-3	1830	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	24-3	1835	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-3	0635	25336	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	25-3	0640	25336	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	25-3	0725	13873	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-3	0730	13873	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-3	0800	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-3	0805	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-3	0810	15915	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-3	0815	15915	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-3	0835	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-3	0840	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-3	0945	6480	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	25-3	0950	6480	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-3	0800	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-3	0805	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-3	0915	6849	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-3	0920	6849	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-3	0950	13363	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-3	0955	13363	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-3	1010	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-3	1015	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-3	1030	12089	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-3	1035	12089	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-3	1315	15915	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	26-3	1320	15915	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	27-3	0725	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	27-3	0730	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	27-3	0835	18030	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	27-3	0840	18030	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	27-3	0915	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	27-3	0920	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	27-3	1830	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	27-3	1835	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	28-3	0850	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	28-3	0855	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	28-3	0930	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	28-3	0935	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)

F03I	28-3	0945	6480	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	28-3	0950	6480	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	28-3	1315	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	28-3	1320	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	31-3	0735	10461	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	31-3	0740	10461	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	31-3	0930	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	31-3	0935	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	31-3	0950	13363	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	31-3	0955	13363	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	31-3	1010	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	31-3	1015	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	31-3	1030	12089	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	31-3	1035	12089	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	31-3	1830	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	31-3	1835	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F06	1-3	1700	10687	Sat	11100 00000 60512 28011 02079	FSK 200/1000	(AB)
F06	1-3	1710	7992	Sat	11100 00000 60512 28011 02079	FSK 200/1000	(AB)
F06	1-3	1720	5913	Sat	11100 00000 60512 28011 02079	FSK 200/1000	(AB)
F06	2-3	0830	13396	Sun	11100 00000 60512 28011 02079	FSK 200/1000	(AB)
F06	2-3	0840	11123	Sun	11100 00000 60512 28011 02079	FSK 200/1000	(AB)
F06	2-3	0850	9089	Sun	11100 00000 60512 28011 02079	FSK 200/1000	(AB)
F06	2-3	1530	20156	Sun	11166 10053 13467 02001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	2-3	1540	17531	Sun	11166 10053 13467 02001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	2-3	1550	13476	Sun	11166 10053 13467 02001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	3-3	0500	9174	Mon	11166 70059 13467 03001 00049 00000 00000 00000 00000	USB	(AB)
F06	3-3	0510	7384	Mon	11166 70059 13467 03001 00049 00000 00000 00000 00000	USB	(AB)
F06	3-3	0520	8148	Mon	11166 70059 13467 03001 00049 00000 00000 00000 00000	USB	(AB)
F06	3-3	0800	9074	Mon	11100 00000 31852 28078 00839	FSK 200/1000	(AB)
F06	3-3	0810	7648	Mon	11100 00000 31852 28078 00839	FSK 200/1000	(AB)
F06	3-3	0820	5911	Mon	11100 00000 31852 28078 00839	FSK 200/1000	(AB)
F06	4-3	0030	11431	Tue	11166 60070 14785 04001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	4-3	0040	8127	Tue	11166 60070 14785 04001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	4-3	0050	7893	Tue	11166 60070 14785 04001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	4-3	0700	10671	Tue	11166 70202 15478 03072 02239 and 11166 70202 52370 03073 01139	FSK 200/1000	(AB)
F06	4-3	0710	8093	Tue	11166 70202 15478 03072 02239 and 11166 70202 52370 03073 01139	FSK 200/1000	(AB)
F06	4-3	0720	6879	Tue	11166 70202 15478 03072 02239 and 11166 70202 52370 03073 01139	FSK 200/1000	(AB)
F06	4-3	0800	9074	Tue	11100 00000 31852 28078 00839	FSK 200/1000	(AB)
F06	4-3	0810	7648	Tue	11100 00000 31852 28078 00839	FSK 200/1000	(AB)
F06	4-3	0820	5911	Tue	11100 00000 31852 28078 00839	FSK 200/1000	(AB)
F06	4-3	1200	11428	Tue	11166 70202 15478 03072 02239 and 11166 70202 52370 03073 01139	FSK 200/1000	(AB)

F06	4-3	1210	8026	Tue	11166 70202 15478 03072 02239 and 11166 70202 52370 03073 01139	FSK 200/1000	(AB)
F06	4-3	1220	6884	Tue	11166 70202 15478 03072 02239 and 11166 70202 52370 03073 01139	FSK 200/1000	(AB)
F06	4-3	1650	17455	Tue	11166 10053 89231 04001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	4-3	1700	12211	Tue	11166 10053 89231 04001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	4-3	1710	10173	Tue	11166 10053 89231 04001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6-3	0700	10671	Thu	11166 70202 85962 05075 01859 and 11166 70202 15487 05076 01379	FSK 200/1000	(AB)
F06	6-3	0710	8093	Thu	11166 70202 85962 05075 01859 and 11166 70202 15487 05076 01379	FSK 200/1000	(AB)
F06	6-3	0720	6879	Thu	11166 70202 85962 05075 01859 and 11166 70202 15487 05076 01379	FSK 200/1000	(AB)
F06	6-3	1200	11428	Thu	11166 70202 85962 05075 01859 and 11166 70202 15487 05076 01379	FSK 200/1000	(AB)
F06	6-3	1210	8026	Thu	11166 70202 85962 05075 01859 and 11166 70202 15487 05076 01379	FSK 200/1000	(AB)
F06	6-3	1220	6884	Thu	11166 70202 85962 05075 01859 and 11166 70202 15487 05076 01379	FSK 200/1000	(AB)
F06	6-3	1330	20219	Thu	11166 80214 97512 06092 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6-3	1340	19353	Thu	11166 80214 97512 06092 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	6-3	1350	14375	Thu	11166 80214 97512 06092 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7-3	0700	10671	Fri	11166 70202 24530 07016 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7-3	0710	8093	Fri	11166 70202 24530 07016 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7-3	0720	6879	Fri	11166 70202 24530 07016 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	7-3	1410	5913	Fri	11100 00000 89321 07085 02529	FSK 200/1000	(PY)
F06	7-3	1420	7992	Fri	11100 00000 89321 07085 02529	FSK 200/1000	(PY)
F06	7-3	1430	10687	Fri	11100 00000 89321 07085 02529	FSK 200/1000	(PY)
F06	8-3	1700	10687	Sat	11100 00000 95843 07012 01999	FSK 200/1000	(AB)
F06	8-3	1710	7992	Sat	11100 00000 95843 07012 01999	FSK 200/1000	(AB)
F06	8-3	1720	5913	Sat	11100 00000 95843 07012 01999	FSK 200/1000	(AB)
F06	9-3	0830	13396	Sun	11100 00000 95843 07012 01999	FSK 200/1000	(AB)
F06	9-3	0840	11123	Sun	11100 00000 95843 07012 01999	FSK 200/1000	(AB)
F06	9-3	0850	9089	Sun	11100 00000 95843 07012 01999	FSK 200/1000	(AB)
F06	9-3	1530	20156	Sun	11166 10053 15984 09001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9-3	1540	17531	Sun	11166 10053 15984 09001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9-3	1550	13476	Sun	11166 10053 15984 09001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	10-3	0800	9074	Mon	11100 00000 16473 07079 02479	FSK 200/1000	(AB)
F06	10-3	0810	7648	Mon	11100 00000 16473 07079 02479	FSK 200/1000	(AB)
F06	10-3	0820	5911	Mon	11100 00000 16473 07079 02479	FSK 200/1000	(AB)
F06	11-3	0030	11431	Tue	11166 60070 25813 11001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11-3	0040	8127	Tue	11166 60070 25813 11001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11-3	0050	7893	Tue	11166 60070 25813 11001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11-3	0700	10671	Tue	11166 70202 98245 10078 01819 and 11166 70202 89521 10079 01839	FSK 200/1000	(AB)
F06	11-3	0715	8093	Tue	11166 70202 98245 10078 01819 and 11166 70202 89521 10079 01839	FSK 200/1000	(AB)
F06	11-3	0730	6879	Tue	11166 70202 98245 10078 01819 and 11166 70202 89521 10079 01839	FSK 200/1000	(AB)
F06	11-3	0800	9074	Tue	11100 00000 16473 07079 02479	FSK 200/1000	(AB-FIN)
F06	11-3	0810	7648	Tue	11100 00000 16473 07079 02479	FSK 200/1000	(AB-FIN)
F06	11-3	0820	5911	Tue	11100 00000 16473 07079 02479	FSK 200/1000	(AB-FIN)

F06	11-3	1200	11428	Tue	11166 70202 98245 10078 01819 and 11166 70202 89521 10079 01839	FSK 200/1000	(AB)
F06	11-3	1210	8026	Tue	11166 70202 98245 10078 01819 and 11166 70202 89521 10079 01839	FSK 200/1000	(AB)
F06	11-3	1220	6884	Tue	11166 70202 98245 10078 01819 and 11166 70202 89521 10079 01839	FSK 200/1000	(AB)
F06	11-3	1650	17455	Tue	11166 10053 96521 11001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11-3	1700	12211	Tue	11166 10053 96521 11001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11-3	1710	10173	Tue	11166 10053 96521 11001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13-3	0700	10671	Thu	11166 70202 35128 12081 02059 and 11166 70202 07469 12082 01199	FSK 200/1000	(AB)
F06	13-3	0710	8093	Thu	11166 70202 35128 12081 02059 and 11166 70202 07469 12082 01199	FSK 200/1000	(AB)
F06	13-3	0720	6879	Thu	11166 70202 35128 12081 02059 and 11166 70202 07469 12082 01199	FSK 200/1000	(AB)
F06	13-3	1200	11428	Thu	11166 70202 35128 12081 02059 and 11166 70202 07469 12082 01199	FSK 200/1000	(AB)
F06	13-3	1210	8026	Thu	11166 70202 35128 12081 02059 and 11166 70202 07469 12082 01199	FSK 200/1000	(AB)
F06	13-3	1220	6884	Thu	11166 70202 35128 12081 02059 and 11166 70202 07469 12082 01199	FSK 200/1000	(AB)
F06	13-3	1330	20219	Thu	11166 80214 89471 13067 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13-3	1340	19353	Thu	11166 80214 89471 13067 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13-3	1350	14375	Thu	11166 80214 89471 13067 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	14-3	0700	10671	Fri	11166 70202 56821 14036 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	14-3	0710	8093	Fri	11166 70202 56821 14036 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	14-3	0720	6879	Fri	11166 70202 56821 14036 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15-3	1700	10687	Sat	11100 00000 41896 14013 02839	FSK 200/1000	(AB)
F06	15-3	1710	7992	Sat	11100 00000 41896 14013 02839	FSK 200/1000	(AB)
F06	15-3	1720	5913	Sat	11100 00000 41896 14013 02839	FSK 200/1000	(AB)
F06	16-3	0830	13396	Sun	11100 00000 41896 14013 02839	FSK 200/1000	(AB)
F06	16-3	0840	11123	Sun	11100 00000 41896 14013 02839	FSK 200/1000	(AB)
F06	16-3	0850	9089	Sun	11100 00000 41896 14013 02839	FSK 200/1000	(AB)
F06	16-3	1530	20156	Sun	11166 10053 25813 16078 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	16-3	1540	17531	Sun	11166 10053 25813 16078 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	16-3	1550	13476	Sun	11166 10053 25813 16078 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17-3	0500	9174	Mon	11166 70059 85279 17001 00049 00000 00000 00000 00000	USB	(AB)
F06	17-3	0510	7384	Mon	11166 70059 85279 17001 00049 00000 00000 00000 00000	USB	(AB)
F06	17-3	0520	8148	Mon	11166 70059 85279 17001 00049 00000 00000 00000 00000	USB	(AB)
F06	17-3	0800	9074	Mon	11100 00000 48532 14080 01839	FSK 200/1000	(AB-FIN)
F06	17-3	0810	7648	Mon	11100 00000 48532 14080 01839	FSK 200/1000	(AB-FIN)
F06	17-3	0820	5911	Mon	11100 00000 48532 14080 01839	FSK 200/1000	(AB-FIN)
F06	17-3	1120	6957	Mon	11100 09993 96521 17001 02529 (1120z, 1130z) 11100 79993 96521 17001 02529 (1140z)	FSK 200/1000	(PY)
F06	17-3	1130	9425	Mon	11100 09993 96521 17001 02529 (1120z, 1130z) 11100 79993 96521 17001 02529 (1140z)	FSK 200/1000	(PY)
F06	17-3	1140	11611	Mon	11100 09993 96521 17001 02529 (1120z, 1130z) 11100 79993 96521 17001 02529 (1140z)	FSK 200/1000	(PY)
F06	18-3	0030	11431	Tue	11166 60070 12569 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	18-3	0040	8127	Tue	11166 60070 12569 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)

F06	18-3	0050	7893	Tue	11166 60070 12569 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	18-3	0700	10671	Tue	11166 70202 28516 17084 02659 and 11166 70202 91852 17085 01099	FSK 200/1000	(AB)
F06	18-3	0710	8093	Tue	11166 70202 28516 17084 02659 and 11166 70202 91852 17085 01099	FSK 200/1000	(AB)
F06	18-3	0720	6879	Tue	11166 70202 28516 17084 02659 and 11166 70202 91852 17085 01099	FSK 200/1000	(AB)
F06	18-3	0800	9074	Tue	11100 00000 48532 14080 01839	FSK 200/1000	(AB-FIN)
F06	18-3	0810	7648	Tue	11100 00000 48532 14080 01839	FSK 200/1000	(AB-FIN)
F06	18-3	0820	5911	Tue	11100 00000 48532 14080 01839	FSK 200/1000	(AB-FIN)
F06	18-3	1200	11428	Tue	11166 70202 28516 17084 02659 and 11166 70202 91852 17085 01099	FSK 200/1000	(AB)
F06	18-3	1210	8026	Tue	11166 70202 28516 17084 02659 and 11166 70202 91852 17085 01099	FSK 200/1000	(AB)
F06	18-3	1220	6884	Tue	11166 70202 28516 17084 02659 and 11166 70202 91852 17085 01099	FSK 200/1000	(AB)
F06	18-3	1650	17455	Tue	11166 10053 65874 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	18-3	1700	12211	Tue	11166 10053 65874 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	18-3	1710	10173	Tue	11166 10053 65874 18001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	19-3	1700	12211	Wed	Active	FSK 200/1000	(FD)
F06	19-3	1710	10576	Wed	Active	FSK 200/1000	(FD)
F06	19-3	1720	8075	Wed	Active	FSK 200/1000	(FD)
F06	20-3	0700	10671	Thu	11166 70202 95483 19087 01979 and 11166 70202 14528 19088 01859	FSK 200/1000	(AB)
F06	20-3	0710	8093	Thu	11166 70202 95483 19087 01979 and 11166 70202 14528 19088 01859	FSK 200/1000	(AB)
F06	20-3	0720	6879	Thu	11166 70202 95483 19087 01979 and 11166 70202 14528 19088 01859	FSK 200/1000	(AB)
F06	20-3	1200	11428	Thu	11166 70202 95483 19087 01979 and 11166 70202 14528 19088 01859	FSK 200/1000	(AB)
F06	20-3	1210	8026	Thu	11166 70202 95483 19087 01979 and 11166 70202 14528 19088 01859	FSK 200/1000	(AB)
F06	20-3	1220	6884	Thu	11166 70202 95483 19087 01979 and 11166 70202 14528 19088 01859	FSK 200/1000	(AB)
F06	20-3	1330	20219	Thu	11166 80214 84531 20055 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	20-3	1340	19353	Thu	11166 80214 84531 20055 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	20-3	1350	14375	Thu	11166 80214 84531 20055 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	21-3	0700	10671	Fri	No transmission	FSK 200/1000	(AB)
F06	21-3	0710	8093	Fri	No transmission	FSK 200/1000	(AB)
F06	21-3	0720	6879	Fri	No transmission	FSK 200/1000	(AB)
F06	21-3	1100	18305	Fri	11166 70202 20547 20089 01779	FSK 200/1000	(AB/PY)
F06	21-3	1110	16311	Fri	11166 70202 20547 20089 01779	FSK 200/1000	(AB/PY)
F06	21-3	1120	13914	Fri	11166 70202 20547 20089 01779	FSK 200/1000	(AB/PY)
F06	22-3	1700	10687	Sat	11100 00000 95340 21014 02239	FSK 200/1000	(AB)
F06	22-3	1710	7992	Sat	11100 00000 95340 21014 02239	FSK 200/1000	(AB)
F06	22-3	1720	5913	Sat	11100 00000 95340 21014 02239	FSK 200/1000	(AB)
F06	23-3	0830	13396	Sun	11100 00000 95340 21014 02239	FSK 200/1000	(AB)
F06	23-3	0840	11123	Sun	11100 00000 95340 21014 02239	FSK 200/1000	(AB)
F06	23-3	0850	9089	Sun	11100 00000 95340 21014 02239	FSK 200/1000	(AB)
F06	23-3	1530	20156	Sun	11166 10053 74523 23001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	23-3	1540	17531	Sun	11166 10053 74523 23001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	23-3	1550	13476	Sun	11166 10053 74523 23001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	24-3	0800	9074	Mon	11100 00000 78561 21081 01779	FSK 200/1000	(AB-FIN)

F06	24-3	0810	7648	Mon	11100 00000 78561 21081 01779	FSK 200/1000	(AB-FIN)
F06	24-3	0820	5911	Mon	11100 00000 78561 21081 01779	FSK 200/1000	(AB-FIN)
F06	25-3	0030	11431	Tue	11166 60070 15984 25001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	25-3	0040	8127	Tue	11166 60070 15984 25001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	25-3	0050	7893	Tue	11166 60070 15984 25001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	25-3	0700	10671	Tue	11166 70202 36418 24091 01639 and 11166 70202 59304 24092 01859	FSK 200/1000	(AB)
F06	25-3	0710	8093	Tue	11166 70202 36418 24091 01639 and 11166 70202 59304 24092 01859	FSK 200/1000	(AB)
F06	25-3	0720	6879	Tue	11166 70202 36418 24091 01639 and 11166 70202 59304 24092 01859	FSK 200/1000	(AB)
F06	25-3	0800	9074	Tue	11100 00000 78561 21081 01779	FSK 200/1000	(AB-FIN)
F06	25-3	0810	7648	Tue	11100 00000 78561 21081 01779	FSK 200/1000	(AB-FIN)
F06	25-3	0820	5911	Tue	11100 00000 78561 21081 01779	FSK 200/1000	(AB-FIN)
F06	25-3	1200	11428	Tue	11166 70202 36418 24091 01639 and 11166 70202 59304 24092 01859	FSK 200/1000	(AB)
F06	25-3	1210	8026	Tue	11166 70202 36418 24091 01639 and 11166 70202 59304 24092 01859	FSK 200/1000	(AB)
F06	25-3	1220	6884	Tue	11166 70202 36418 24091 01639 and 11166 70202 59304 24092 01859	FSK 200/1000	(AB)
F06	25-3	1245	20237	Tue	Too weak to decode	FSK 200/1000	(PY)
F06	25-3	1500	15739	Tue	11166 90017 39861 25015 00029 29985 00000	FSK 200/1000	(PY)
F06	25-3	1510	13429	Tue	11166 90017 39861 25015 00029 29985 00000	FSK 200/1000	(PY)
F06	25-3	1520	11068	Tue	11166 90017 39861 25015 00029 29985 00000	FSK 200/1000	(PY)
F06	25-3	1650	17455	Tue	11166 10053 25813 25078 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	25-3	1700	12211	Tue	11166 10053 25813 25078 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	25-3	1710	10173	Tue	11166 10053 25813 25078 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	25-3	1730	19629	Tue	Active	FSK 200/1000	(FD)
F06	25-3	1740	15828	Tue	Active	FSK 200/1000	(FD)
F06	25-3	1750	12176	Tue	Active	FSK 200/1000	(FD)
F06	26-3	1500	17428	Wed	11166 00052 47361 25022 01119	FSK 200/1000	(AB/PY)
F06	26-3	1500	20985	Wed	11166 10020 57821 26002 00899	FSK 200/1000	(AB/PY)
F06	26-3	1500	15739	Wed	11166 90017 39861 25015 00029 29985 00000	FSK 200/1000	(PY)
F06	26-3	1510	15646	Wed	11166 00052 47361 25022 01119	FSK 200/1000	(AB/PY)
F06	26-3	1510	13429	Wed	11166 90017 39861 25015 00029 29985 00000	FSK 200/1000	(PY)
F06	26-3	1520	15739	Wed	Undecodable	FSK 200/1000	(AB)
F06	26-3	1520	11068	Wed	Undecodable	FSK 200/1000	(PY)
F06	26-3	1520	12153	Wed	11166 00052 47361 25022 01119	FSK 200/1000	(PY)
F06	26-3	1550	17454	Wed	11166 20218 75123 26009 00989	FSK 200/1000	(PY)
F06	26-3	1610	14357	Wed	11166 20218 75123 26009 00989	FSK 200/1000	(PY)
F06	26-3	1620	11556	Wed	11166 20218 75123 26009 00989	FSK 200/1000	(PY)
F06	26-3	1730	19629	Wed	Too weak to decode	FSK 200/1000	(FD)
F06	26-3	1740	15828	Wed	Too weak to decode	FSK 200/1000	(FD)
F06	26-3	1750	12176	Wed	Too weak to decode	FSK 200/1000	(FD)
F06	27-3	0700	10671	Thu	11166 70202 76193 26094 01539 and 11166 70202 56748 26095 02059	FSK 200/1000	(AB)
F06	27-3	0710	8093	Thu	11166 70202 76193 26094 01539 and 11166 70202 56748 26095 02059	FSK 200/1000	(AB)
F06	27-3	0720	6879	Thu	11166 70202 76193 26094 01539 and 11166 70202 56748 26095 02059	FSK 200/1000	(AB)

F06	27-3	1200	11428	Thu	11166 70202 76193 26094 01539 and 11166 70202 56748 26095 02059	FSK 200/1000	(AB)
F06	27-3	1210	8026	Thu	11166 70202 76193 26094 01539 and 11166 70202 56748 26095 02059	FSK 200/1000	(AB)
F06	27-3	1220	6884	Thu	11166 70202 76193 26094 01539 and 11166 70202 56748 26095 02059	FSK 200/1000	(AB)
F06	27-3	1330	20219	Thu	11166 80214 16385 27024 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	27-3	1340	19353	Thu	11166 80214 16385 27024 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	27-3	1350	14375	Thu	11166 80214 16385 27024 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	27-3	1700	12211	Thu	11100 00000 76831 27025 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	27-3	1710	10576	Thu	11100 00000 76831 27025 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	27-3	1720	8075	Thu	11100 00000 76831 27025 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	28-3	0700	10671	Fri	11166 70202 35786 27029 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	28-3	0710	8093	Fri	11166 70202 35786 27029 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	28-3	0720	6879	Fri	11166 70202 35786 27029 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	28-3	1700	12211	Fri	11166 00000 72654 27087 00049 00000 00000 00000 00000	FSK 200/1000	(FD)
F06	28-3	1710	10576	Fri	11166 00000 72654 27087 00049 00000 00000 00000 00000	FSK 200/1000	(FD)
F06	28-3	1720	8075	Fri	11166 00000 72654 27087 00049 00000 00000 00000 00000	FSK 200/1000	(FD)
F06	29-3	1700	10687	Sat	11100 00000 25479 28015 01599	FSK 200/1000	(AB)
F06	29-3	1710	7992	Sat	11100 00000 25479 28015 01599	FSK 200/1000	(AB)
F06	29-3	1720	5913	Sat	11100 00000 25479 28015 01599	FSK 200/1000	(AB)
F06	30-3	0830	13396	Sun	11100 00000 25479 28015 01599	FSK 200/1000	(AB)
F06	30-3	0840	11123	Sun	11100 00000 25479 28015 01599	FSK 200/1000	(AB)
F06	30-3	0850	9089	Sun	11100 00000 25479 28015 01599	FSK 200/1000	(AB)
F06	30-3	1530	20156	Sun	11166 10053 25813 30078 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	30-3	1540	17531	Sun	11166 10053 25813 30078 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	30-3	1550	13476	Sun	11166 10053 25813 30078 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	31-3	0800	9074	Mon	11100 00000 47359 28082 01079 and 11100 00000 34820 28083 00639	FSK 200/1000	(AB-FIN)
F06	31-3	0810	7648	Mon	11100 00000 47359 28082 01079 and 11100 00000 34820 28083 00639	FSK 200/1000	(AB-FIN)
F06	31-3	0820	5911	Mon	11100 00000 47359 28082 01079 and 11100 00000 34820 28083 00639	FSK 200/1000	(AB-FIN)
F06a	1-3	0700	12154	Sat	File 04439 (binary contents)	FSK 200/1000	(AB/PY)
F06a	1-3	0715	11063	Sat	File 04439 (binary contents)	FSK 200/1000	(AB/PY)
F06a	1-3	0730	10218	Sat	File 04439 (binary contents)	FSK 200/1000	(AB/PY)
F06a	3-3	0700	10671	Mon	File 44471 (binary contents)	FSK 200/1000	(AB)
F06a	3-3	0715	8093	Mon	File 44471 (binary contents)	FSK 200/1000	(AB)
F06a	3-3	0730	6879	Mon	File 44471 (binary contents)	FSK 200/1000	(AB)
F06a	3-3	1200	11428	Mon	File 44471 (binary contents)	FSK 200/1000	(AB)
F06a	3-3	1215	8026	Mon	File 44471 (binary contents)	FSK 200/1000	(AB)
F06a	3-3	1230	6884	Mon	File 44471 (binary contents)	FSK 200/1000	(AB)
F06a	5-3	0600	14379	Wed	File 43432 (binary contents)	FSK 200/1000	(PY)
F06a	5-3	0615	15805	Wed	File 43432 (binary contents)	FSK 200/1000	(PY)
F06a	5-3	0630	18041	Wed	File 43432 (binary contents)	FSK 200/1000	(PY)
F06a	5-3	0700	10671	Wed	File 44474 (binary contents)	FSK 200/1000	(AB)
F06a	5-3	0715	8093	Wed	File 44474 (binary contents)	FSK 200/1000	(AB)

F06a	5-3	0730	6879	Wed	File 44474 (binary contents)	FSK 200/1000	(AB)
F06a	5-3	1200	11428	Wed	File 44474 (binary contents)	FSK 200/1000	(AB)
F06a	5-3	1215	8026	Wed	File 44474 (binary contents)	FSK 200/1000	(AB)
F06a	5-3	1230	6884	Wed	File 44474 (binary contents)	FSK 200/1000	(AB)
F06a	6-3	0600	14379	Thu	File 43432 (binary contents)	FSK 200/1000	(AB/PY)
F06a	6-3	0615	15805	Thu	File 43432 (binary contents)	FSK 200/1000	(AB/PY)
F06a	6-3	0630	18041	Thu	File 43432 (binary contents)	FSK 200/1000	(AB/PY)
F06a	6-3	1600	14876	Thu	File 04408 (binary contents)	FSK 200/1000	(AB)
F06a	6-3	1615	13375	Thu	File 04408 (binary contents)	FSK 200/1000	(AB)
F06a	6-3	1630	10273	Thu	File 04408 (binary contents)	FSK 200/1000	(AB)
F06a	8-3	0300	10651	Sat	File 44413 (388 bytes, binary contents)	FSK 200/1000	(PY)
F06a	10-3	0700	10671	Mon	File 44477 (binary contents)	FSK 200/1000	(AB)
F06a	10-3	0715	8093	Mon	File 44477 (binary contents)	FSK 200/1000	(AB)
F06a	10-3	0730	6879	Mon	File 44477 (binary contents)	FSK 200/1000	(AB)
F06a	10-3	1200	11428	Mon	File 44477 (binary contents)	FSK 200/1000	(AB)
F06a	10-3	1215	8026	Mon	File 44477 (binary contents)	FSK 200/1000	(AB)
F06a	10-3	1230	6884	Mon	File 44477 (binary contents)	FSK 200/1000	(AB)
F06a	12-3	0600	14379	Wed	File 44233 (binary contents)	FSK 200/1000	(AB/PY)
F06a	12-3	0600	15806	Wed	File 44233 (binary contents)	FSK 200/1000	(AB/PY)
F06a	12-3	0600	18041	Wed	File 44233 (binary contents)	FSK 200/1000	(AB/PY)
F06a	12-3	0700	10671	Wed	File 44480 (binary contents)	FSK 200/1000	(AB)
F06a	12-3	0715	8093	Wed	File 44480 (binary contents)	FSK 200/1000	(AB)
F06a	12-3	0730	6879	Wed	File 44480 (binary contents)	FSK 200/1000	(AB)
F06a	12-3	1200	11428	Wed	File 44480 (binary contents)	FSK 200/1000	(AB)
F06a	12-3	1215	8026	Wed	File 44480 (binary contents)	FSK 200/1000	(AB)
F06a	12-3	1230	6884	Wed	File 44480 (binary contents)	FSK 200/1000	(AB)
F06a	13-3	0600	14379	Thu	File 44233 (binary contents)	FSK 200/1000	(AB/PY)
F06a	13-3	0615	15805	Thu	File 44233 (binary contents)	FSK 200/1000	(AB/PY)
F06a	13-3	0630	18041	Thu	File 44233 (binary contents)	FSK 200/1000	(AB/PY)
F06a	15-3	0300	10651	Sat	File 44413 (388 bytes, binary contents)	FSK 200/1000	(PY)
F06a	15-3	0330	14919	Sat	File 44413 (388 bytes, binary contents)	FSK 200/1000	(PY)
F06a	17-3	0700	10671	Mon	File 44483 (binary contents)	FSK 200/1000	(AB)
F06a	17-3	0715	8093	Mon	File 44483 (binary contents)	FSK 200/1000	(AB)
F06a	17-3	0730	6879	Mon	File 44483 (binary contents)	FSK 200/1000	(AB)
F06a	17-3	1200	11428	Mon	File 44483 (binary contents)	FSK 200/1000	(AB)
F06a	17-3	1215	8026	Mon	File 44438 (binary contents)	FSK 200/1000	(AB)
F06a	17-3	1230	6884	Mon	File 44483 (binary contents)	FSK 200/1000	(AB)
F06a	19-3	0600	14379	Wed	File 14434 (binary contents)	FSK 200/1000	(AB/PY)
F06a	19-3	0600	15806	Wed	File 14434 (binary contents)	FSK 200/1000	(AB/PY)
F06a	19-3	0600	18041	Wed	File 14434 (binary contents)	FSK 200/1000	(AB/PY)
F06a	19-3	0700	10671	Wed	File 44486 (binary contents)	FSK 200/1000	(AB)

F06a	19-3	0715	8093	Wed	File 44486 (binary contents)	FSK 200/1000	(AB)
F06a	19-3	0730	6879	Wed	File 44486 (binary contents)	FSK 200/1000	(AB)
F06a	19-3	1200	11428	Wed	File 44486 (binary contents)	FSK 200/1000	(AB)
F06a	19-3	1215	8026	Wed	File 44486 (binary contents)	FSK 200/1000	(AB)
F06a	19-3	1230	6884	Wed	File 44486 (binary contents)	FSK 200/1000	(AB)
F06a	20-3	0600	14379	Thu	File 14434 (binary contents)	FSK 200/1000	(AB/PY)
F06a	20-3	0600	15806	Thu	File 14434 (binary contents)	FSK 200/1000	(AB/PY)
F06a	20-3	0600	18041	Thu	File 14434 (binary contents)	FSK 200/1000	(AB/PY)
F06a	22-3	0300	10651	Sat	File 47414 (989 bytes, binary contents)	FSK 200/1000	(PY)
F06a	22-3	0315	12075	Sat	File 47414 (989 bytes, binary contents)	FSK 200/1000	(PY)
F06a	22-3	0330	14919	Sat	File 47414 (989 bytes, binary contents)	FSK 200/1000	(PY)
F06a	24-3	0700	10671	Mon	File 44490 (binary contents)	FSK 200/1000	(AB)
F06a	24-3	0715	8093	Mon	File 44490 (binary contents)	FSK 200/1000	(AB)
F06a	24-3	0730	6879	Mon	File 44490 (binary contents)	FSK 200/1000	(AB)
F06a	24-3	1200	11428	Mon	File 44490 (binary contents)	FSK 200/1000	(AB)
F06a	24-3	1215	8026	Mon	File 44490 (binary contents)	FSK 200/1000	(AB)
F06a	24-3	1230	6884	Mon	File 44490 (binary contents)	FSK 200/1000	(AB)
F06a	25-3	1255	17463	Tue	File_KI80094.001. Header: 11100 80094 14785 25001 02019	FSK 200/1000	(PY)
F06a	25-3	1305	13826	Tue	File_KI80094.001. Header: 11100 80094 14785 25001 02019	FSK 200/1000	(PY)
F06a	26-3	0600	14379	Wed	File 46435 (binary contents)	FSK 200/1000	(AB/PY)
F06a	26-3	0600	15806	Wed	File 46435 (binary contents)	FSK 200/1000	(AB/PY)
F06a	26-3	0600	18041	Wed	File 46435 (binary contents)	FSK 200/1000	(AB/PY)
F06a	26-3	0700	10671	Wed	File 44493 (binary contents)	FSK 200/1000	(AB)
F06a	26-3	0715	8093	Wed	File 44493 (binary contents)	FSK 200/1000	(AB)
F06a	26-3	0730	6879	Wed	File 44493 (binary contents)	FSK 200/1000	(AB)
F06a	26-3	1200	11428	Wed	File 44493 (binary contents) Wrong shift	FSK 200/500	(AB)
F06a	26-3	1215	8026	Wed	File 44493 (binary contents) Wrong shift	FSK 200/500	(AB)
F06a	26-3	1230	6884	Wed	File 44493 (binary contents) Wrong shift	FSK 200/500	(AB)
F06a	26-3	1245	20237	Wed	Too weak to decode	FSK 200/1000	(PY)
F06a	26-3	1255	17463	Wed	File_KI80094.003 Header: 11100 80094 23164 26003 02019	FSK 200/1000	(AB/PY)
F06a	26-3	1305	13826	Wed	File_KI80094.003 (1260 bytes). Header: 11100 80094 23164 26003 02019	FSK 200/1000	(PY)
F06a	27-3	0600	14379	Thu	File 46435 (binary contents)	FSK 200/1000	(AB/PY)
F06a	27-3	0600	15806	Thu	File 46435 (binary contents)	FSK 200/1000	(AB/PY)
F06a	27-3	0600	18041	Thu	File 46435 (binary contents)	FSK 200/1000	(AB/PY)
F06a	28-3	2000	7943	Fri	File 40440 (binary contents, 2423 bytes)	FSK 200/1000	(PY)
F06a	28-3	2015	6853	Fri	File 40440 (binary contents, 2423 bytes)	FSK 200/1000	(PY)
F06a	28-3	2030	5869	Fri	File 40440 (binary contents, 2423 bytes)	FSK 200/1000	(PY)
F06a	29-3	0300	10651	Sat	File 44815 (989 bytes, binary contents)	FSK 200/1000	(PY)
F06a	29-3	0315	12075	Sat	File 44815 (989 bytes, binary contents)	FSK 200/1000	(PY)
F06a	29-3	0330	14919	Sat	File 44815 (989 bytes, binary contents)	FSK 200/1000	(PY)
F06a	29-3	0700	12165	Sat	File 40440 (binary contents, 2423 bytes)	FSK 200/1000	(AB/PY)

F06a	29-3	0715	11044	Sat	File 40440 (binary contents, 2423 bytes)	FSK 200/1000	(AB/PY)
F06a	29-3	0730	10277	Sat	File 40440 (binary contents, 2423 bytes)	FSK 200/1000	(AB/PY)
F06a	30-3	0700	16346	Sun	File 44432 (binary contents)	FSK 200/2000	(AB)
F06a	30-3	0715	14476	Sun	File 44432 (binary contents)	FSK 200/2000	(AB)
F06a	30-3	0730	12211	Sun	File 44432 (binary contents)	FSK 200/2000	(AB)
F06a	30-3	1300	20915	Sun	File 04411 (binary contents)	FSK 200/2000	(AB)
F06a	30-3	1315	17521	Sun	File 04411 (binary contents)	FSK 200/2000	(AB)
F06a	30-3	1330	14441	Sun	File 04411 (binary contents)	FSK 200/2000	(AB)
F06a	30-3	1500	12203	Sun	Too weak to decode	FSK 200/1000	(AB)
F06a	30-3	1515	11113	Sun	Too weak to decode	FSK 200/1000	(AB)
F06a	30-3	1530	10178	Sun	Too weak to decode	FSK 200/1000	(AB)
F06a	31-3	0700	10671	Mon	File 44496 (binary contents)	FSK 200/1000	(AB)
F06a	31-3	0715	8093	Mon	File 44496 (binary contents)	FSK 200/1000	(AB)
F06a	31-3	0730	6879	Mon	File 44496 (binary contents)	FSK 200/1000	(AB)
F06a	31-3	1200	11428	Mon	File 44496 (binary contents)	FSK 200/1000	(AB)
F06a	31-3	1215	8026	Mon	File 44496 (binary contents)	FSK 200/1000	(AB)
F06a	31-3	1230	6884	Mon	File 44496 (binary contents)	FSK 200/1000	(AB)
F06a	31-3	1300	20917	Mon	File 04414 (binary contents)	FSK 200/1000	(AB)
F06a	31-3	1315	17521	Mon	File 04414 (binary contents)	FSK 200/1000	(AB)
F06a	31-3	1330	14441	Mon	File 04414 (binary contents)	FSK 200/1000	(AB)
F06a	31-3	1500	12203	Mon	File 04415 (binary contents)	FSK 200/1000	(AB)
F06a	31-3	1515	11113	Mon	File 04415 (binary contents)	FSK 200/1000	(AB)
F06a	31-3	1530	10178	Mon	File 04415 (binary contents)	FSK 200/1000	(AB)
F07	4-3	2100	10244	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	4-3	2110	9379	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	4-3	2120	8161	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	4-3	2130	7518	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	4-3	2140	6783	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	4-3	2150	5864	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	6-3	2100	10244	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/RL)
F07	6-3	2110	9379	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/RL)
F07	6-3	2120	8161	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/RL)
F07	6-3	2130	7518	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	6-3	2140	6783	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/RL)
F07	6-3	2150	5864	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	11-3	2100	10244	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	11-3	2110	9379	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	11-3	2120	8161	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	11-3	2130	7518	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	11-3	2140	6783	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	11-3	2150	5864	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)

F07	13-3	2100	10244	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/RL)
F07	13-3	2110	9379	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/RL)
F07	13-3	2120	8161	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/RL)
F07	13-3	2130	7518	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	13-3	2140	6783	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	13-3	2150	5864	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	18-3	2100	10244	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	18-3	2110	9379	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	18-3	2120	8161	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	18-3	2130	7518	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	18-3	2140	6783	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	18-3	2150	5864	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	20-3	2100	10244	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	20-3	2110	9379	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	20-3	2120	8161	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/RL)
F07	20-3	2130	7518	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/RL)
F07	20-3	2140	6783	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/RL)
F07	20-3	2150	5864	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/RL)
F07	25-3	2100	10244	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	25-3	2110	9379	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	25-3	2120	8161	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	25-3	2130	7518	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	25-3	2140	6783	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	25-3	2150	5864	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	27-3	2100	10244	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	27-3	2110	9379	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	27-3	2120	8161	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/RL)
F07	27-3	2130	7518	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/RL)
F07	27-3	2140	6783	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/RL)
F07	27-3	2150	5864	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/RL)
KRE	4-3	0733	14300	Tue	DPRK embassy Moscow wkg DPRK embassy Berlin	DPRK-ARQ 600/600 LSB	(AB)
KRE	4-3	0804	15500	Tue	DPRK embassy Moscow wkg DPRK embassy Bucharest	DPRK-ARQ 600/600 LSB	(AB)
KRE	4-3	1230	18650	Tue	DPRK embassy Rome wkg DPRK embassy Moscow	DPRK-ARQ 600/600 LSB	(AB)
KRE	4-3	1231	16252	Tue	DPRK embassy Moscow wkg DPRK embassy Rome	DPRK-ARQ 600/600 LSB	(AB)
KRE	4-3	1258	18650	Tue	DPRK embassy Moscow wkg DPRK embassy Cairo	DPRK-ARQ 600/600 LSB	(AB)
KRE	4-3	1259	16252	Tue	DPRK embassy Moscow wkg DPRK Permanent Mission to the UN, Geneve	DPRK-ARQ 600/600 LSB	(AB)
KRE	4-3	1331	15500	Tue	DPRK embassy Moscow wkg DPRK embassy Bucharest	DPRK-ARQ 600/600 LSB	(AB)
KRE	4-3	1333	14600	Tue	DPRK embassy Rome wkg DPRK embassy Moscow	DPRK-ARQ 1200/600 LSB	(AB)
KRE	5-3	0808	15500	Wed	DPRK embassy Moscow wkg DPRK embassy Bucharest	DPRK-ARQ 600/600 LSB	(AB)
KRE	6-3	0633	13200	Thu	DPRK embassy Moscow wkg DPRK embassy Sofia	DPRK-ARQ 600/600 LSB	(AB)
KRE	6-3	0633	16252	Thu	DPRK embassy Moscow wkg DPRK Permanent Mission to the UN, Geneva	DPRK-ARQ 600/600 LSB	(AB)

KRE	6-3	0646	16252	Thu	DPRK embassy Moscow sends message 684 to DPRK embassy Rome	DPRK-ARQ 600/600 LSB	(AB)
KRE	6-3	0656	14300	Thu	DPRK embassy Moscow sending message 61 to DPRK embassy Vienna	DPRK-ARQ 600/600 LSB	(AB)
KRE	6-3	0700	13200	Thu	DPRK embassy Moscow msg to DPRK embassy Warsaw	DPRK-ARQ 600/600 LSB	(AB)
KRE	6-3	0803	15500	Thu	DPRK embassy Moscow msg to DPRK embassy Bucharest	DPRK-ARQ 600/600 LSB	(AB)
KRE	6-3	1230	18650	Thu	DPRK embassy Rome msg to DPRK embassy Moscow	DPRK-ARQ 600/600 LSB	(AB)
KRE	6-3	1300	16252	Thu	DPRK embassy Moscow wkg DPRK Permanent Mission to the UN, Geneva	DPRK-ARQ 600/600 LSB	(AB)
KRE	6-3	1301	18650	Thu	DPRK embassy Moscow msg to DPRK embassy Cairo	DPRK-ARQ 600/600 LSB	(AB)
KRE	11-3	0635	16252	Tue	DPRK embassy Moscow msg to DPRK Permanent Mission to the UN, Geneva	DPRK-ARQ 600/600 LSB	(AB)
KRE	11-3	0637	18650	Tue	DPRK embassy Moscow msg to DPRK embassy Cairo	DPRK-ARQ 600/600 LSB	(AB)
KRE	11-3	0638	13200	Tue	DPRK embassy Moscow msg to DPRK embassy Sofia	DPRK-ARQ 600/600 LSB	(AB)
KRE	11-3	0701	14300	Tue	DPRK embassy Moscow msg 737 and 738 to DPRK embassy Vienna	DPRK-ARQ 600/600 LSB	(AB)
KRE	11-3	0705	13200	Tue	DPRK embassy Moscow msg to DPRK embassy Warsaw	DPRK-ARQ 600/600 LSB	(AB)
KRE	11-3	0737	14200	Tue	DPRK embassy Moscow msg to DPRK embassy Prague	DPRK-ARQ 600/600 LSB	(AB)
KRE	11-3	0804	14222	Tue	Unid DPRK embassy clg DPRK embassy Moscow	DPRK-ARQ 600/600 LSB	(AB)
KRE	11-3	0804	15500	Tue	DPRK embassy Moscow msg 737 and 738 to DPRK embassy Bucharest	DPRK-ARQ 600/600 LSB	(AB)
KRE	11-3	1205	14300	Tue	DPRK embassy Moscow msg 57 to DPRK embassy Berlin	DPRK-ARQ 600/600 LSB	(AB)
KRE	11-3	1217	16252	Tue	DPRK embassy Moscow msg 61 and 62 to DPRK embassy Rome	DPRK-ARQ 600/600 LSB	(AB)
KRE	11-3	1243	16252	Tue	DPRK embassy Rome wkg DPRK embassy Moscow	DPRK-ARQ 1200/600 LSB	(AB)
KRE	11-3	1302	16252	Tue	DPRK embassy Moscow 4 msgs to DPRK Permanent Mission to the UN, Geneva	DPRK-ARQ 600/600 LSB	(AB)
KRE	11-3	1302	18650	Tue	DPRK embassy Moscow msg 44 to DPRK embassy Cairo	DPRK-ARQ 600/600 LSB	(AB)
KRE	11-3	1304	14300	Tue	DPRK embassy Moscow msg 57 to DPRK embassy Berlin	DPRK-ARQ 600/600 LSB	(AB)
KRE	11-3	1307	16252	Tue	DPRK embassy Moscow msg 737 and 738 to DPRK Permanent Mission to the UN, Geneva	DPRK-ARQ 600/600 LSB	(AB)
KRE	12-3	0727	13222	Wed	Unid embassy wkg DPRK embassy Moscow	DPRK-ARQ 600/600 LSB	(AB)
KRE	12-3	0752	13200	Wed	DPRK embassy Moscow clg DPRK embassy Warsaw	DPRK-ARQ 600/600 LSB	(AB)
KRE	12-3	1232	18650	Wed	DPRK embassy Rome wkg DPRK embassy Moscow	DPRK-ARQ 600/600 LSB	(AB)
KRE	12-3	1239	16300	Wed	DPRK embassy Moscow wkg DPRK embassy Rome	DPRK-ARQ 600/600 LSB	(AB)
KRE	12-3	1257	18650	Wed	DPRK embassy Moscow 3 msgs to DPRK embassy Cairo	DPRK-ARQ 600/600 LSB	(AB)
KRE	12-3	1304	16252	Wed	DPRK embassy Moscow clg DPRK Permanent Mission to the UN, Geneva	DPRK-ARQ 600/600 LSB	(AB)
KRE	12-3	1334	13200	Wed	DPRK embassy Moscow msg to DPRK embassy Sofia	DPRK-ARQ 600/600 LSB	(AB)
KRE	12-3	1335	15500	Wed	DPRK embassy Moscow msg to DPRK embassy Bucharest	DPRK-ARQ 600/600 LSB	(AB)
KRE	12-3	1513	17420	Wed	DPRK embassy Rome wkg DPRK embassy Moscow	DPRK-ARQ 1200/600 LSB	(AB)
KRE	13-3	0700	14300	Thu	DPRK embassy Moscow clg DPRK embassy Vienna	DPRK-ARQ 600/600 LSB	(AB)
KRE	13-3	0729	14300	Thu	DPRK embassy Moscow clg DPRK embassy Berlin	DPRK-ARQ 600/600 LSB	(AB)
KRE	13-3	0806	15500	Thu	DPRK embassy Moscow clg DPRK embassy Bucharest	DPRK-ARQ 600/600 LSB	(AB)
KRE	13-3	1206	14300	Thu	DPRK embassy Moscow clg DPRK embassy Berlin	DPRK-ARQ 600/600 LSB	(AB)
KRE	13-3	1258	16252	Thu	DPRK embassy Moscow msgs 129 and 130 to DPRK Permanent Mission to the UN, Geneva	DPRK-ARQ 600/600 LSB	(AB)
KRE	14-3	1234	18650	Fri	DPRK embassy Rome wkg DPRK embassy Moscow	DPRK-ARQ 600/600 LSB	(AB)
KRE	14-3	1235	16252	Fri	DPRK embassy Rome wkg DPRK embassy Moscow	DPRK-ARQ 1200/600 LSB	(AB)
KRE	14-3	1250	18650	Fri	DPRK embassy Rome wkg DPRK embassy Moscow	DPRK-ARQ 600/600 LSB	(AB)
KRE	16-3	0734	14200	Sun	DPRK embassy Moscow clg DPRK embassy Prague	DPRK-ARQ 600/600 LSB	(AB)
KRE	17-3	1246	16252	Mon	DPRK embassy Rome wkg DPRK embassy Moscow	DPRK-ARQ 1200/600 LSB	(AB)

KRE	17-3	1300	16250	Mon	Unid embassy clg DPRK embassy Moscow	DPRK-ARQ 1200/600 LSB	(AB)
KRE	17-3	1310	18650	Mon	DPRK embassy Moscow wkg DPRK embassy Cairo	DPRK-ARQ 600/600 LSB	(AB)
KRE	17-3	1350	16252	Mon	Unid embassy wkg DPRK embassy Moscow	DPRK-ARQ 600/600 LSB	(AB)
KRE	17-3	1353	16252	Mon	DPRK embassy Moscow wkg DPRK embassy Sofia	DPRK-ARQ 600/600 LSB	(AB)
KRE	17-3	1402	18650	Mon	DPRK embassy Moscow wkg DPRK embassy Cairo	DPRK-ARQ 600/600 LSB	(AB)
KRE	18-3	0630	18650	Tue	DPRK embassy Moscow wkg DPRK embassy Cairo	DPRK-ARQ 600/600 LSB	(AB)
KRE	18-3	0631	16252	Tue	DPRK embassy Moscow wkg DPRK Permanent Mission to the UN, Geneva	DPRK-ARQ 600/600 LSB	(AB)
KRE	18-3	0636	13200	Tue	DPRK embassy Moscow clg DPRK embassy Sofia	DPRK-ARQ 600/600 LSB	(AB)
KRE	18-3	0639	16252	Tue	DPRK embassy Moscow DPRK embassy Rome	DPRK-ARQ 600/600 LSB	(AB)
KRE	18-3	0722	16950	Tue	DPRK embassy Rome wkg DPRK embassy Moscow	DPRK-ARQ 600/600 LSB	(AB)
KRE	18-3	0722	18655	Tue	Unid embassy wkg DPRK embassy Moscow	DPRK-ARQ 600/600 LSB	(AB)
KRE	18-3	0723	16252	Tue	DPRK embassy Moscow wkg DPRK embassy Rome	DPRK-ARQ 600/600 LSB	(AB)
KRE	18-3	0730	19120	Tue	DPRK embassy Rome wkg DPRK embassy Moscow	DPRK-ARQ 600/600 LSB	(AB)
KRE	18-3	0749	16252	Tue	DPRK embassy Moscow wkg DPRK Permanent Mission to the UN, Geneva	DPRK-ARQ 600/600 LSB	(AB)
KRE	18-3	1242	18120	Tue	DPRK embassy Rome wkg DPRK embassy Moscow	DPRK-ARQ 1200/600 LSB	(AB)
KRE	18-3	1332	15500	Tue	DPRK embassy Moscow wkg DPRK embassy Bucharest	DPRK-ARQ 600/600 LSB	(AB)
KRE	19-3	0730	14300	Wed	DPRK embassy Moscow wkg DPRK embassy Berlin	DPRK-ARQ 600/600 LSB	(AB)
KRE	19-3	0805	15500	Wed	DPRK embassy Moscow wkg DPRK embassy Bucharest	DPRK-ARQ 600/600 LSB	(AB)
KRE	20-3	1206	16252	Thu	DPRK embassy Moscow wkg DPRK embassy Stockholm	DPRK-ARQ 600/600 LSB	(AB)
KRE	20-3	1206	20003	Thu	DPRK embassy Rome wkg DPRK embassy Moscow	DPRK-ARQ 1200/600 LSB	(AB)
KRE	20-3	1229	14300	Thu	DPRK embassy Moscow wkg DPRK embassy Vienna	DPRK-ARQ 600/600 LSB	(AB)
KRE	20-3	1302	16252	Thu	DPRK embassy Moscow wkg DPRK Permanent Mission to the UN, Geneve	DPRK-ARQ 600/600 LSB	(AB)
KRE	21-3	0630	16252	Fri	DPRK embassy Moscow wkg DPRK Permanent Mission to the UN, Geneve	DPRK-ARQ 600/600 LSB	(AB)
KRE	21-3	1234	18120	Fri	DPRK embassy Moscow wkg DPRK embassy Rome	DPRK-ARQ 600/600 LSB	(AB)
KRE	21-3	1234	18650	Fri	DPRK embassy Rome wkg DPRK embassy Moscow	DPRK-ARQ 600/600 LSB	(AB)
KRE	25-3	0631	16252	Tue	DPRK embassy Moscow wkg DPRK Permanent Mission to the UN, Geneve	DPRK-ARQ 600/600 LSB	(AB)
KRE	25-3	0658	18250	Tue	DPRK embassy Rome wkg DPRK embassy Moscow	DPRK-ARQ 1200/600 LSB	(AB)
KRE	25-3	0659	18120	Tue	DPRK embassy Moscow wkg DPRK embassy Cairo	DPRK-ARQ 600/600 LSB	(AB)
KRE	25-3	0702	14300	Tue	DPRK embassy Moscow wkg DPRK embassy Vienna	DPRK-ARQ 600/600 LSB	(AB)
KRE	25-3	0702	18120	Tue	DPRK embassy Moscow wkg DPRK embassy Stockholm	DPRK-ARQ 600/600 LSB	(AB)
KRE	25-3	0703	18120	Tue	DPRK embassy Rome wkg DPRK embassy Moscow	DPRK-ARQ 1200/600 LSB	(AB)
KRE	25-3	0705	18120	Tue	DPRK embassy Moscow wkg DPRK embassy Rome	DPRK-ARQ 1200/600 LSB	(AB)
KRE	25-3	0706	18650	Tue	DPRK embassy Rome wkg DPRK embassy Moscow	DPRK-ARQ 600/600 LSB	(AB)
KRE	25-3	1234	18655	Tue	DPRK embassy Rome wkg DPRK embassy Moscow	DPRK-ARQ 600/600 LSB	(AB)
KRE	25-3	1249	18120	Tue	DPRK embassy Moscow wkg DPRK embassy Rome	DPRK-ARQ 600/600 LSB	(AB)
KRE	26-3	0803	15500	Wed	DPRK embassy Moscow wkg DPRK embassy Bucharest	DPRK-ARQ 600/600 LSB	(AB)
KRE	26-3	1233	14650	Wed	Unid DPRK embassy wkg DPRK embassy Moscow	DPRK-ARQ 600/600 LSB	(AB)
KRE	26-3	1237	18120	Wed	DPRK embassy Moscow wkg DPRK embassy Rome	DPRK-ARQ 600/600 LSB	(AB)
KRE	26-3	1237	18650	Wed	DPRK embassy Rome wkg DPRK embassy Moscow	DPRK-ARQ 600/600 LSB	(AB)
KRE	26-3	1329	15500	Wed	DPRK embassy Moscow wkg DPRK embassy Bucharest	DPRK-ARQ 600/600 LSB	(AB)
KRE	30-3	0644	16300	Sun	DPRK embassy Moscow wkg DPRK embassy Sofia	DPRK-ARQ 600/600 LSB	(AB)

KRE	30-3	0804	15500	Sun	DPRK embassy Moscow wkg DPRK embassy Bucharest	DPRK-ARQ 600/600 LSB	(AB)
KRE	31-3	0634	18120	Mon	DPRK embassy Moscow wkg DPRK embassy Rome	DPRK-ARQ 600/600 LSB	(AB)
KRE	31-3	0658	14300	Mon	DPRK embassy Moscow wkg DPRK embassy Vienna	DPRK-ARQ 600/600 LSB	(AB)
KRE	31-3	0708	13200	Mon	DPRK embassy Moscow msg 30 to DPRK embassy Warsaw	DPRK-ARQ 600/600 LSB	(AB)
KRE	31-3	0756	18120	Mon	DPRK embassy Moscow wkg DPRK embassy Rome	DPRK-ARQ 600/600 LSB	(AB)
KRE	31-3	0807	15500	Mon	DPRK embassy Moscow msg 979 to DPRK embassy Bucharest	DPRK-ARQ 600/600 LSB	(AB)
KRE	31-3	1213	12943	Mon	Unid DPRK embassy wkg DPRK embassy Moscow	DPRK-ARQ 600/600 LSB	(AB)
KRE	31-3	1216	16030	Mon	DPRK embassy Moscow wkg DPRK embassy Stockholm	DPRK-ARQ 600/600 LSB	(AB)
M01	1-3	1500	6260	Sat	463 563 563 30 30 = = 57291 48932 57483 ... 58194 57483 45 563 563 30 000	CW	(AB/HFD)
M01	2-3	0700	6510	Sun	463 812 30 = 85731 ...	CW	(HFD)
M01	4-3	1800	5475	Tue	463 404 30 = 82739 ...	CW	(HFD)
M01	4-3	2000	5020	Tue	463 180 180 30 30 = = 92837 83909 48762 ... 29309 28475 19283 = = 180 180 30 30 000	CW	(AB)
M01	4-3	2000	5020	Tue	463 180 30 = 92837 ...	CW	(HFD)
M01	6-3	1800	5475	Thu	463 457 457 30 30 68978 15423 47658 ... 22653 49857 60098 457 457 30 30 000	CW	(AB)
M01	6-3	2000	5020	Thu	463 697 697 30 30 48756 15423 46857 ... 11432 47688 49809 697 697 30 30 000	CW	(AB)
M01	8-3	1500	6260	Sat	463 196 196 30 30 = = 68594 59301 57384 ... 47381 4731574874 = = 196 196 30 30 000	CW	(AB)
M01	11-3	1800	5475	Tue	463 532 532 30 30 = = 46752 34243 56734 ... 67534 675556 56 = = 532 532 30 30 000	CW	(AB)
M01	11-3	2000	5020	Tue	463 320 320 30 30 = = 86795 47562 12353 ... 89076 43094 20015 = = 323 323 30 30 000	CW	(AB)
M01	13-3	1800	5475	Thu	463 264 264 30 30 = = 64857 12387 46572 ... 2349657326753162 53162 = = 264 260 30 30 000	CW	(AB)
M01	13-3	2000	5020	Thu	463 342 342 30 30 = = 34509 65980 64593 ... 86970 00895 06767 = = 342 342 30 30 000	CW	(AB)
M01	15-3	1500	6260	Sat	463 421 421 30 30 = = 45621 89054 76851 ... 65432 90054 06767 = = 421 421 30 30 000	CW	(AB)
M01	18-3	1800	5475	Tue	463 899 899 30 30 = = 68790 25343 75133 ... 39673765 3690798 979 = = 899 89 30 30 000	CW	(AB)
M01	18-3	2000	5020	Tue	463 957 957 30 30 86987 15429 60946 ... 38769 3876 20967267 = 957 957 300 0 0	CW	(AB)
M01	20-3	1800	5475	Thu	463 101 101 30 30 = = 89047 38172 38958 ... 19086 57483 58348573 453 = = 101 101 30 30 000	CW	(AB)
M01	20-3	2000	5020	Thu	463 568 568 30 30 = = 57485 12473 28495 ... 48752 38984 57482 = = 568 568 30 30 000	CW	(AB)
M01	22-3	1500	6260	Sat	463 786 786 30 30 09797 25436 57689 ... 8 25431 33980 48769 786 786 30 30 00 0 0	CW	(AB)
M01	23-3	0700	6510	Sun	463 (also 63 43 333) 911 3 911 30 30 = = 09789 46576 10975 ... 49877 27654 30978 911 911 30 30 0000	CW	(AB)
M01	25-3	1759	5475	Tue	463 413 413 30 30 = = 75684 24435 86790 ... 55436 87695 05454 = = 413 413 30 30 000	CW	(AB)
M01	27-3	1800	5475	Thu	463 392 392 30 30 = = 56654 89043 43632 ... 67675 66532 78693 = = 392 392 30 30 000	CW	(AB)
M01	27-3	2000	5020	Thu	463 645 645 30 30 = = 43321 89043 65731 ... 76584 89043 56432 = = 645 645 30 30 000	CW	(AB)
M01	29-3	1459	6260	Sat	463 190 190 30 30 = = 47814 48959 EEEEE 48958 ... 57849 57847 56789 = = 190 190 30 30 000	CW	(AB)
M01	30-3	0700	6510	Sun	463 589 589 30 57839 49038 18372 ... 19845 57843 19047 589 589 30 30 000	CW	(AB)
M12	1-3	2200	8126	Sat	178 178 178 1 3054 93 3054 93 16737 40643 03684 ... 38369 59490 97951 000 000	CW	(AB/HFD)
M12	1-3	2220	7526	Sat	178 178 178 1 3054 93 3054 93 16737 40643 03684 ... 38369 59490 97951 000 000	CW	(AB/HFD)
M12	1-3	2240	6826	Sat	178 178 178 1 3054 93 3054 93 16737 40643 03684 ... 38369 59490 97951 000 000	CW	(AB/HFD)
M12	2-3	2310	13571	Sun	518 518 518 1 ...	CW	(HFD)
M12	2-3	2330	12171	Sun	518 518 518 1 ...	CW	(HFD)

M12	2-3	2350	10871	Sun	518 518 518 1 ...	CW	(HFD)
M12	3-3	2300	9157	Mon	917 917 917 1 ...	CW	(HFD)
M12	3-3	2320	7957	Mon	917 917 917 1 ...	CW	(HFD)
M12	3-3	2340	6857	Mon	917 917 917 1 ...	CW	(HFD)
M12	4-3	0300	18767	Tue	742 742 742 1 ...	CW	(HFD)
M12	4-3	0320	17467	Tue	742 742 742 1 ...	CW	(HFD-J)
M12	4-3	0340	16267	Tue	742 742 742 1 ...	CW	(HFD)
M12	4-3	1100	11519	Tue	289 289 289 1 4512 61 4512 61 68404 90688 36702 ... 09885 75497 11357 000 000	CW	(AB/HFD)
M12	4-3	1120	12194	Tue	289 289 289 1 4512 61 4512 61 68404 90688 36702 ... 09885 75497 11357 000 000	CW	(AB/HFD)
M12	4-3	1140	13407	Tue	289 289 289 1 4512 61 4512 61 68404 90688 36702 ... 09885 75497 11357 000 000	CW	(AB/HFD)
M12	5-3	2000	10238	Wed	218 218 218 000	CW	(AB/HFD)
M12	5-3	2020	9138	Wed	218 218 218 000	CW	(AB/HFD)
M12	6-3	1800	11435	Thu	938 938 938 1 3284 81 3284 81 56810 59464 88321 ... 75436 26615 35910 000 000	CW	(AB/HFD)
M12	6-3	1820	10598	Thu	938 938 938 1 3284 81 3284 81 56810 59464 88321 ... 75436 26615 35910 000 000	CW	(AB/HFD)
M12	6-3	1840	9327	Thu	938 938 938 1 3284 81 3284 81 56810 59464 88321 ... 75436 26615 35910 000 000	CW	(AB/HFD)
M12	6-3	2300	9157	Thu	917 917 917 1 672 76 672 76 29382 80581 92823 ... 91891 93049 93814 000 000	CW	(AB)
M12	6-3	2320	7957	Thu	917 917 917 1 672 76 672 76 29382 80581 92823 ... 91891 93049 93814 000 000	CW	(AB)
M12	6-3	2340	6857	Thu	917 917 917 1 672 76 672 76 29382 80581 92823 ... 91891 93049 93814 000 000	CW	(AB)
M12	7-3	2000	10238	Fri	218 218 218 000	CW	(AB)
M12	7-3	2020	9138	Fri	218 218 218 000	CW	(AB)
M12	7-3	2200	8126	Fri	178 178 178 1 3054 93 3054 93 16737 40643 03684 ... 38369 59490 97951 000 000	CW	(AB)
M12	7-3	2220	7526	Fri	178 178 178 1 3054 93 3054 93 16737 40643 03684 ... 38369 59490 97951 000 000	CW	(AB)
M12	7-3	2240	6826	Fri	178 178 178 1 3054 93 3054 93 16737 40643 03684 ... 38369 59490 97951 000 000	CW	(AB)
M12	8-3	2200	8126	Sat	178 178 178 1 3054 93 3054 93 16737 40643 03684 ... 38369 59490 97951 000 000	CW	(AB)
M12	8-3	2220	7526	Sat	178 178 178 1 3054 93 3054 93 16737 40643 03684 ... 38369 59490 97951 000 000	CW	(AB)
M12	8-3	2240	6826	Sat	178 178 178 1 3054 93 3054 93 16737 40643 03684 ... 38369 59490 97951 000 000	CW	(AB)
M12	10-3	2300	9157	Mon	917 917 917 1 672 76 672 76 29382 80581 92823 ... 91891 93049 93814 000 000	CW	(RL)
M12	10-3	2320	7957	Mon	917 917 917 1 672 76 672 76 29382 80581 92823 ... 91891 93049 93814 000 000	CW	(RL)
M12	10-3	2340	6857	Mon	917 917 917 1 672 76 672 76 29382 80581 92823 ... 91891 93049 93814 000 000	CW	(RL)
M12	11-3	1100	11519	Tue	289 289 289 1 5800 58 5800 58 45164 37395 12083 ... 50178 03262 32068 000 000	CW	(AB)
M12	11-3	1120	12194	Tue	289 289 289 1 5800 58 5800 58 45164 37395 12083 ... 50178 03262 32068 000 000	CW	(AB)
M12	11-3	1140	13407	Tue	289 289 289 1 5800 58 5800 58 45164 37395 12083 ... 50178 03262 32068 000 000	CW	(AB)
M12	12-3	2000	10238	Wed	218 218 218 1 170 36 170 36 37884 70513 25030 ... 83171 63729 73256 000 000	CW	(AB)
M12	12-3	2020	9138	Wed	218 218 218 1 170 36 170 36 37884 70513 25030 ... 83171 63729 73256 000 000	CW	(AB)
M12	12-3	2040	7838	Wed	218 218 218 1 170 36 170 36 37884 70513 25030 ... 83171 63729 73256 000 000	CW	(AB)
M12	13-3	1800	11435	Thu	938 938 938 1 9658 81 9658 81 20810 78222 23578 ... 64391 68548 50629 000 000	CW	(AB)
M12	13-3	1820	10598	Thu	938 938 938 1 9658 81 9658 81 20810 78222 23578 ... 64391 68548 50629 000 000	CW	(AB)
M12	13-3	1840	9327	Thu	938 938 938 1 9658 81 9658 81 20810 78222 23578 ... 64391 68548 50629 000 000	CW	(AB)
M12	14-3	2000	10238	Fri	218 218 218 1 170 36 170 36 37884 70513 25030 ... 83171 63729 73256 000 000	CW	(AB)
M12	14-3	2020	9138	Fri	218 218 218 1 170 36 170 36 37884 70513 25030 ... 83171 63729 73256 000 000	CW	(AB)
M12	14-3	2040	7838	Fri	218 218 218 1 170 36 170 36 37884 70513 25030 ... 83171 63729 73256 000 000	CW	(AB)

M12	14-3	2200	8126	Fri	178 178 178 000	CW	(AB)
M12	14-3	2220	7526	Fri	178 178 178 000	CW	(AB)
M12	15-3	2200	8126	Sat	178 178 178 000	CW	(AB)
M12	15-3	2220	7526	Sat	178 178 178 000	CW	(AB)
M12	17-3	0200	18342	Mon	314 314 314 1 2044 84 2044 84 76236 54183 22033 ... 36995 73825 71829 000 000	CW	(Karman)
M12	17-3	0210	16112	Mon	314 314 314 1 2044 84 2044 84 76236 54183 22033 ... 36995 73825 71829 000 000	CW	(Karman)
M12	17-3	0240	13472	Mon	314 314 314 1 2044 84 2044 84 76236 54183 22033 ... 36995 73825 71829 000 000	CW	(Karman)
M12	17-3	2300	9157	Mon	917 917 917 000	CW	(RL)
M12	18-3	1100	11519	Tue	289 289 289 1 7842 62 7842 62 56462 49006 07418 ... 34197 43436 25869 000 000	CW	(AB)
M12	18-3	1120	12194	Tue	289 289 289 1 7842 62 7842 62 56462 49006 07418 ... 34197 43436 25869 000 000	CW	(AB)
M12	18-3	1140	13407	Tue	289 289 289 1 7842 62 7842 62 56462 49006 07418 ... 34197 43436 25869 000 000	CW	(AB)
M12	19-3	2000	10238	Wed	218 218 218 1 170 36 170 36 37884 70513 25030 ... 83171 63729 73256 000 000	CW	(AB)
M12	19-3	2020	9138	Wed	218 218 218 1 170 36 170 36 37884 70513 25030 ... 83171 63729 73256 000 000	CW	(AB)
M12	19-3	2040	7838	Wed	218 218 218 1 170 36 170 36 37884 70513 25030 ... 83171 63729 73256 000 000	CW	(AB)
M12	19-3	2310	10871	Wed	518 518 518 1 348 141 348 141 12040 01729 30186 ... 12461 40659 48100 000 000	CW	(RL)
M12	19-3	2310	12171	Wed	518 518 518 1 348 141 348 141 12040 01729 30186 ... 12461 40659 48100 000 000	CW	(RL)
M12	19-3	2310	13571	Wed	518 518 518 1 348 141 348 141 12040 01729 30186 ... 12461 40659 48100 000 000	CW	(RL)
M12	20-3	1800	11435	Thu	938 938 938 1 6384 80 6384 80 61134 28041 22421 ... 90627 99380 31983 000 000	CW	(AB)
M12	20-3	1820	10598	Thu	938 938 938 1 6384 80 6384 80 61134 28041 22421 ... 90627 99380 31983 000 000	CW	(AB)
M12	20-3	1840	9327	Thu	938 938 938 1 6384 80 6384 80 61134 28041 22421 ... 90627 99380 31983 000 000	CW	(AB)
M12	20-3	2300	9157	Thu	917 917 917 000	CW	(AB)
M12	20-3	2320	7957	Thu	917 917 917 000	CW	(AB)
M12	21-3	0200	18342	Fri	314 314 314 1 2044 84 2044 84 76236 54183 22033 ... 36995 73825 71829 000 000	CW	(Karman)
M12	21-3	0210	16112	Fri	314 314 314 1 2044 84 2044 84 76236 54183 22033 ... 36995 73825 71829 000 000	CW	(Karman)
M12	21-3	0240	13472	Fri	314 314 314 1 2044 84 2044 84 76236 54183 22033 ... 36995 73825 71829 000 000	CW	(Karman)
M12	21-3	2000	10238	Fri	218 218 218 1 170 36 170 36 37884 70513 25030 ... 83171 63729 73256 000 000	CW	(AB)
M12	21-3	2020	9138	Fri	218 218 218 1 170 36 170 36 37884 70513 25030 ... 83171 63729 73256 000 000	CW	(AB)
M12	21-3	2040	7838	Fri	218 218 218 1 170 36 170 36 37884 70513 25030 ... 83171 63729 73256 000 000	CW	(AB)
M12	21-3	2200	8126	Fri	178 178 178 000	CW	(AB/RL)
M12	21-3	2220	7526	Fri	178 178 178 000	CW	(AB/RL)
M12	22-3	2200	8126	Sat	178 178 178 000	CW	(AB)
M12	22-3	2220	7526	Sat	178 178 178 000	CW	(AB)
M12	23-3	0200	18324	Sun	314 314 314 1 ...	CW	(HFD-J)
M12	23-3	0220	16112	Sun	314 314 314 1 ...	CW	(HFD-J)
M12	23-3	0240	13472	Sun	314 314 314 1 ...	CW	(HFD-J)
M12	24-3	0200	18342	Mon	116 groups message	CW	(AVX)
M12	25-3	1100	11519	Tue	289 289 289 1 2304 56 2304 56 93033 18890 87295 ... 75445 94735 09190 000 000	CW	(AB)
M12	25-3	1120	12194	Tue	289 289 289 1 2304 56 2304 56 93033 18890 87295 ... 75445 94735 09190 000 000	CW	(AB)
M12	25-3	1140	13407	Tue	289 289 289 1 2304 56 2304 56 93033 18890 87295 ... 75445 94735 09190 000 000	CW	(AB)
M12	26-3	2000	10238	Wed	218 218 218 1 2530 41 2530 41 87452 08826 37932 ... 33019 16819 21269 000 000	CW	(AB)
M12	26-3	2020	9138	Wed	218 218 218 1 2530 41 2530 41 87452 08826 37932 ... 33019 16819 21269 000 000	CW	(AB)

M12	26-3	2040	7838	Wed	218 218 218 1 2530 41 2530 41 87452 08826 37932 ... 33019 16819 21269 000 000	CW	(AB)
M12	27-3	1800	11435	Thu	938 938 938 1 6940 77 6940 77 27757 33491 78492 ... 58437 88865 61175 000 000	CW	(AB)
M12	27-3	1820	10598	Thu	938 938 938 1 6940 77 6940 77 27757 33491 78492 ... 58437 88865 61175 000 000	CW	(AB)
M12	27-3	1840	9327	Thu	938 938 938 1 6940 77 6940 77 27757 33491 78492 ... 58437 88865 61175 000 000	CW	(AB)
M12	28-3	2000	10238	Fri	218 218 218 1 2530 41 2530 41 87452 08826 37932 ... 33019 16819 21269 000 000	CW	(AB)
M12	28-3	2020	9138	Fri	218 218 218 1 2530 41 2530 41 87452 08826 37932 ... 33019 16819 21269 000 000	CW	(AB)
M12	28-3	2040	7838	Fri	218 218 218 1 2530 41 2530 41 87452 08826 37932 ... 33019 16819 21269 000 000	CW	(AB)
M12	28-3	2200	8126	Fri	178 178 178 1 6002 67 6002 67 85454 38893 00724 ... 53078 85365 79320 000 000	CW	(AB)
M12	28-3	2220	7526	Fri	178 178 178 1 6002 67 6002 67 85454 38893 00724 ... 53078 85365 79320 000 000	CW	(AB)
M12	28-3	2240	6826	Fri	178 178 178 1 6002 67 6002 67 85454 38893 00724 ... 53078 85365 79320 000 000	CW	(AB)
M12	29-3	2200	8126	Sat	178 178 178 1 6002 67 6002 67 85454 38893 00724 ... 53078 85365 79320 000 000	CW	(AB)
M12	29-3	2220	7526	Sat	178 178 178 1 6002 67 6002 67 85454 38893 00724 ... 53078 85365 79320 000 000	CW	(AB)
M12	29-3	2240	6826	Sat	178 178 178 1 6002 67 6002 67 85454 38893 00724 ... 53078 85365 79320 000 000	CW	(AB)
M12	30-3	2310	13571	Sun	518 518 518 1 9933 247 9933 247 31585 79416 17354...86072 62649 97713 000 000	CW	(RL)
M12	30-3	2330	12171	Sun	518 518 518 1 9933 247 9933 247 31585 79416 17354...86072 62649 97713 000 000	CW	(RL)
M12	30-3	2350	10871	Sun	518 518 518 1 9933 247 9933 247 31585 79416 17354...86072 62649 97713 000 000	CW	(RL)
M12	31-3	0240	13472	Mon	314 314 314 1 7879 179 7879 179 56430 90351 46059 ... 63496 49802 84607 000 000	CW	(Priyom)
M12	31-3	2300	9157	Mon	917 917 917 000	CW	(RL)
M12	31-3	2320	7957	Mon	917 917 917 000	CW	(RL)
M14	3-3	0500	12211	Mon	952 703 54 = 27176 ...	CW	(HFD-J)
M14	3-3	0520	10243	Mon	952 703 54 = 27176 ...	CW	(HFD)
M14	3-3	1105	9463	Mon	801 297 297 53 53 = = 79795 22525 50963 ... 29846 81007 28023 = = 297 297 53 53 00000	CW	(PY)
M14	4-3	1515	10755	Tue	975 143 430 60 60 = = 35156 52958 80699 ... 01302 22161 50252 = = 143 143 60 60 00000	CW	(PY)
M14	6-3	1005	11073	Thu	352 987 987 60 60 = = 33428 55255 57859 ... 12290 84779 12253 = = 987 987 60 60 00000	CW	(PY)
M14	7-3	1045	10755	Fri	975 630 630 31 31 = = 05531 27710 44991 ... 13454 69093 74913 = = 630 630 31 31 975 421 421 20 20 = = 56733 09829 36700 ... 60981 53649 26527 = = 421 421 20 20 00000	CW	(PY)
M14	13-3	1533	9463	Thu	441 547 547 25 25 = = 52461 52952 15397 ... 81278 19773 96529 = = 547 547 25 25 00000	CW	(PY)
M14	19-3	1500	10755	Wed	975 (4m22s) 318 318 40 40 = = message 318 318 40 40 00000 Very fast morse, terrible distorted audio	CW	(AB)
M14	31-3	0500	12211	Mon	952 701 701 57 57 = = 57145 70055 71000 ... 40877 83853 86812 = = 701 701 57 57 00000	CW	(AB-J)
M14	31-3	0520	10243	Mon	952 701 701 57 57 = = 57145 70055 71000 ... 40877 83853 86812 = = 701 701 57 57 00000	CW	(AB-J)
M14d	6-3	1050	9463	Thu	801 52914 00000	CW	(PY)
M14d	7-3	1150	11073	Fri	352 13659 089 089 34 34 = = 35138 58245 ... 31789 75278 80991 = = 089 089 34 34 00000	CW	(PY)
M14d	17-3	0700	9463	Mon	Erratic on/off carrier activity and slow beeps for an hour	CW	(PY)
M14d	17-3	0915	9463	Mon	801 79452 00000 801 801 801 00000 98278 68436 21 55112 = = 576 576 30 30 00000 801	CW	(PY)

M23	12-3	1530	10755	Wed	PAUSI TOUT LE GARS DU MONDE EN VOITURES etc. (ended at 1555z)	CW	(PY)
M23	13-3	1501	10755	Thu	PAUSI TOUT LE GARS DU MONDE EN VOITURES etc. (ended at 1525z)	CW	(PY)
M23	13-3	1543	10755	Thu	PAUSI TOUT LE GARS DU MONDE EN VOITURES etc. (ended at 1608z)	CW	(PY)
M23	14-3	1651	10755	Fri	i.p. VOTRE ENTRE CONTRE DESIR RIDES CONTER RENTE VOTER TENOR etc.	CW	(Pille)
M23	16-3	1508	10755	Sun	55555 05050 55005 05555 00000 55550 00005 05500 05555 55005 00550 50505 etc. (16m32s) S555OO SALUT LA COMPAGNIE etc (Ended at 1534z)	CW	(PY)
M23	17-3	1509	10755	Mon	55555 05050 55005 05555 00000 55550 00005 05500 05555 55005 00550 50505 etc. (16m32s) S555OO SALUT LA COMPAGNIE etc (Ended at 1534z)	CW	(PY)
M23	19-3	1516	10755	Wed	55555 05050 55005 05555 00000 55550 00005 05500 05555 55005 00550 50505 etc. (16m32s) S555OO SALUT LA COMPAGNIE etc (Ended at 1544z)	CW	(PY)
M23	19-3	1537	10755	Wed	YAWLS AWACS CROWN KAWIS SWAGS WIDGE WAGON WRAPS AWELE KAYAK POEME AI-KAI EPODE GESTE HAIKU SLMNE LAMBE KAIKU RANDO off	CW	(AB)
M23	20-3	1515	10755	Thu	55555 05050 55005 05555 00000 55550 00005 05500 05555 55005 00550 50505 etc. S555OO SALUT LA COMPAGNIE etc. (Ended at 1542z)	CW	(AB)
M23	21-3	1519	10755	Fri	55555 05050 55005 05555 00000 55550 00005 05500 05555 55005 00550 50505 etc. S555OO SALUT LA COMPAGNIE etc. (ended at 1544z)	CW	(AB)
M23	22-3	1513	10755	Sat	55555 05050 55005 05555 00000 55550 00005 05500 05555 55005 00550 50505 etc. S555OO SALUT LA COMPAGNIE etc. (ended at 1540z)	CW	(AB)
M23	23-3	1514	10755	Sun	55555 05050 55005 05555 00000 55550 00005 05500 05555 55005 00550 50505 etc. S555OO SALUT LA COMPAGNIE etc. (ended at 1540z)	CW	(AB)
M23	24-3	1520	10755	Mon	55555 05050 55005 05555 00000 55550 00005 05500 05555 55005 00550 50505 etc. S555OO SALUT LA COMPAGNIE etc. (ended at 1545z)	CW	(AB)
M23	25-3	1513	10755	Tue	55555 05050 55005 05555 00000 55550 00005 05500 05555 55005 00550 50505 etc. S555OO SALUT LA COMPAGNIE etc. (ended at 1538z)	CW	(AB)
M23	26-3	1539	10755	Wed	55555 05050 55005 05555 00000 55550 00005 05500 05555 55005 00550 50505 etc. S555OO SALUT LA COMPAGNIE etc. (ended at 1605z)	CW	(AB)
M23	27-3	1528	10755	Thu	55555 05050 55005 05555 00000 55550 00005 05500 05555 55005 00550 50505 etc. S555OO SALUT LA COMPAGNIE etc. (ended at 1554z)	CW	(AB)
M23	28-3	1528	10755	Fri	55555 05050 55005 05555 00000 55550 00005 05500 05555 55005 00550 50505 etc. S555OO SALUT LA COMPAGNIE etc. (ended at 1554z)	CW	(AB)
M23	29-3	1528	10755	Sat	55555 05050 55005 05555 00000 55550 00005 05500 05555 55005 00550 50505 etc. S555OO SALUT LA COMPAGNIE etc. (ended at 1554z)	CW	(AB)
M23	30-3	0728	10222	Sun	55555 05050 55005 05555 00000 55550 00005 05500 05555 55005 00550 50505 etc. S555OO SALUT LA COMPAGNIE etc. (ended at 0754z)	CW	(AB)
M23	30-3	1528	10755	Sun	55555 05050 55005 05555 00000 55550 00005 05500 05555 55005 00550 50505 etc. S555OO SALUT LA COMPAGNIE etc. (ended at 1554z)	CW	(AB)
M23	31-3	0728	10222	Mon	55555 05050 55005 05555 00000 55550 00005 05500 05555 55005 00550 50505 etc. S555OO SALUT LA COMPAGNIE etc. (ended at 0754z)	CW	(AB)
M23	31-3	1528	10755	Mon	55555 05050 55005 05555 00000 55550 00005 05500 05555 55005 00550 50505 etc. S555OO SALUT LA COMPAGNIE etc. (ended at 1554z)	CW	(AB)
M42	5-3	0920	14711	Wed	Russian diplo	MFSK-66	(RO)
M42	5-3	1242	16112	Wed	Russian diplo	MFSK-66	(RO)

M42	6-3	0739	16028	Thu	Russian diplo. Selcal	Serdolik v2	(AB/RO)
M42	6-3	0740	16026	Thu	Russian diplo	Serdolik v2	(AB/RO)
M42	6-3	0756	16026	Thu	Russian diplo	Serdolik v2	(AB)
M42	6-3	1215	16316	Thu	Russian diplo. Selcal	Serdolik v2	(AB)
M42	6-3	1216	18233	Thu	Russian diplo. Selcal	Serdolik v2	(AB)
M42	6-3	1219	16316	Thu	Russian diplo. Selcal	Serdolik v2	(AB)
M42	6-3	1220	18233	Thu	Russian diplo. Selcal	Serdolik v2	(AB)
M42	6-3	1222	16316	Thu	Russian diplo. Selcal	Serdolik v2	(AB)
M42	6-3	1223	18233	Thu	Russian diplo. Selcal	Serdolik v2	(AB)
M42	6-3	1225	16316	Thu	Russian diplo. Selcal	Serdolik v2	(AB)
M42	6-3	1227	18233	Thu	Russian diplo. Selcal	Serdolik v2	(AB)
M42	6-3	1229	16316	Thu	Russian diplo. Selcal	Serdolik v2	(AB)
M42	6-3	1230	18233	Thu	Russian diplo. Selcal	Serdolik v2	(AB)
M42	6-3	1231	16314	Thu	Russian diplo. Idle	Serdolik v2	(AB)
M42	6-3	1237	16314	Thu	Russian diplo. Idle	Serdolik v2	(AB)
M42	6-3	1238	18231	Thu	Russian diplo. Idle	Serdolik v2	(AB)
M42	6-3	1242	16314	Thu	Russian diplo. Idle	Serdolik v2	(AB)
M42	6-3	1247	16314	Thu	Russian diplo. Idle	Serdolik v2	(AB)
M42	7-3	1302	14698	Fri	Russian diplo	MFSK-66	(AB/RO)
M42	7-3	1307	14698	Fri	Russian diplo	MFSK-66	(RO)
M42	7-3	1319	13393	Fri	Russian diplo	MFSK-66	(AB/RO)
M42	7-3	1354	16314	Fri	Russian diplo	Serdolik v2	(AB)
M42	7-3	1354	16316	Fri	Russian diplo. Selcal	Serdolik v2	(AB)
M42	7-3	1416	16314	Fri	Russian diplo	Serdolik v2	(AB)
M42	10-3	0920	19273	Mon	Russian diplo	Serdolik v2	(AB/RO)
M42	10-3	0933	19273	Mon	Russian diplo	Serdolik v2	(AB/RO)
M42	10-3	1437	17466	Mon	Russian diplo	Serdolik v2	(AB)
M42	11-3	1003	20811	Tue	Russian diplo. Selcal	Serdolik v2	(RO)
M42	11-3	1009	20815	Tue	Russian diplo. Test	Serdolik v2	(RO)
M42	11-3	1011	20811	Tue	Russian diplo	Serdolik v2	(RO)
M42	11-3	1020	20815	Tue	Russian diplo	Serdolik v2	(RO)
M42	11-3	1048	20815	Tue	Russian diplo	Serdolik v2	(RO)
M42	12-3	0919	13458	Wed	Russian diplo	MFSK-66	(AB/RO)
M42	13-3	0808	16062	Thu	Russian diplo	Serdolik v2	(RO)
M42	14-3	0840	12193	Fri	Russian diplo	MFSK-66	(AB)
M42	14-3	0920	14501	Fri	Russian diplo	MFSK-66	(AB)
M42	17-3	0739	10412	Mon	Russian diplo	MFSK-66	(AB)
M42	17-3	0740	12225	Mon	Russian diplo	MFSK-66	(AB)
M42	17-3	0755	15624	Mon	Russian diplo	MFSK-66	(AB)
M42	17-3	0831	12226	Mon	Russian diplo	MFSK-66	(AB)
M42	17-3	0831	13518	Mon	Russian diplo	MFSK-66	(AB/RO)

M42	17-3	0845	9086	Mon	Russian diplo	MFSK-66	(AB/RO)
M42	18-3	0933	18459	Tue	Russian diplo	MFSK-66	(AB)
M42	19-3	1236	16112	Wed	Russian diplo	MFSK-66	(Rycat)
M42	19-3	1554	12183	Wed	Russian diplo	Serdolik v2	(RO)
M42	19-3	1556	13402	Wed	Russian diplo	Serdolik v2	(RO)
M42	19-3	1609	12183	Wed	Russian diplo	Serdolik v2	(RO)
M42	19-3	1610	13407	Wed	Russian diplo	Serdolik v2	(RO)
M42	19-3	1612	13402	Wed	Russian diplo	Serdolik v2	(RO)
M42	20-3	0725	16315	Thu	Russian diplo. Selcal	Serdolik v2	(AB)
M42	20-3	0727	16315	Thu	Russian diplo. Selcal	Serdolik v2	(AB)
M42	20-3	0729	16315	Thu	Russian diplo. Selcal	Serdolik v2	(AB)
M42	20-3	0731	16315	Thu	Russian diplo. Selcal	Serdolik v2	(AB)
M42	20-3	0735	16315	Thu	Russian diplo. Selcal	Serdolik v2	(AB)
M42	20-3	0738	16315	Thu	Russian diplo. Selcal	Serdolik v2	(AB)
M42	20-3	0906	20844	Thu	Russian diplo	MFSK-66	(RO)
M42	20-3	0924	17477	Thu	Russian diplo	MFSK-66	(AB/RO)
M42	20-3	1300	16156	Thu	UAL: MFA Moscow wkg UAG: Russian embassy Havana. Header: 11100 70103 13467 20036 04009	FSK CW + FSK 75/500	(AB)
M42	20-3	1300	18726	Thu	UAG: Russian embassy Havana wkg UAL: MFA Moscow. Header: 11100 70103 67814 20036 04003	FSK CW + FSK 75/500	(AB-USA)
M42	20-3	1353	16315	Thu	Russian diplo. Selcal	Serdolik v2	(AB)
M42	20-3	1355	16313	Thu	Russian diplo	Serdolik v2	(AB)
M42	20-3	1355	18231	Thu	Russian diplo	Serdolik v2	(AB/Rycat)
M42	20-3	1408	16313	Thu	Russian diplo	Serdolik v2	(AB/RO)
M42	24-3	0838	17468	Mon	Russian diplo. Selcal	Serdolik v2	(AB)
M42	24-3	0840	17466	Mon	Russian diplo	Serdolik v2	(AB/RO)
M42	24-3	0852	17466	Mon	Russian diplo. Selcal	Serdolik v2	(AB/RO)
M42	24-3	0916	19275	Mon	Russian diplo. Selcal	Serdolik v2	(AB/RO)
M42	24-3	0919	19275	Mon	Russian diplo. Selcal	Serdolik v2	(AB/RO)
M42	24-3	0920	19273	Mon	Russian diplo	Serdolik v2	(AB/RO)
M42	24-3	0930	19273	Mon	Russian diplo. Test	Serdolik v2	(AB)
M42	24-3	0931	14686	Mon	Russian diplo	Serdolik v2	(AB)
M42	27-3	1259	16156	Thu	UAL: MFA Moscow wkg UAG: Russian embassy Havana. Header: 11100 70103 12648 27041 04009	FSK CW + FSK 75/500	(AB)
M42	27-3	1259	18726	Thu	UAG: Russian embassy Havana wkg UAL: MFA Moscow. Header: 11100 70103 72690 27041 04003	FSK CW + FSK 75/500	(AB-USA)
M42	28-3	0923	14501	Fri	Russian diplo	MFSK-66	(AB)
M42	28-3	1451	14918	Fri	Russian diplo	MFSK-66	(AB)
M42b	1-3	0803	19101	Sat	F5KA F5KA. Header: 216 100 01 0800 3566=	CW + FSK 50/500	(AB)
M42b	2-3	0808	19101	Sun	S5W8 S5W8 S5W8 DE MB2W. Header: 217 100 2 0755 8351=	CW + FSK 50/500	(AB)
M42b	4-3	0800	19101	Tue	K9M1 K9M1. Header: 219 100 4 0755 8903=	CW + FSK 200/1000	(AB)
M42b	6-3	0758	19101	Thu	i.p. Header: 221 100 6 0755 8417=	CW + FSK 50/500	(AB)

M42b	12-3	0801	19101	Wed	4XNG 4XN6 4XN6 DE SD7S SD7S K. Header: 227 100 12 0755 9384=	CW + FSK 50/500	(AB)
M42b	14-3	0800	19101	Fri	CB6R CB6R. Header: 229 100 14 0755 8361=	CW + FSK 50/500	(AB)
M42b	15-3	0802	19101	Sat	MYaV5. Header: 230 100 15 0800 5728=	CW + FSK 50/500	(AB)
M42b	16-3	0801	19101	Sun	ZUOB ZUOB ZUOB DE 8DSF 8DSF K. Header: 231 100 16 0755 9235=	CW + FSK 50/500	(AB)
M42b	18-3	0801	19101	Tue	F8PW F8PW F8PW DE PG67 PG67 K. Header: 233 100 18 0750 3865= =	CW + FSK 50/500	(AB)
M42b	18-3	1229	12093	Tue	NT9P NT9P NT9P DE K4MT K4MT K. Header: 431 100 18 1215 3818 =	CW + FSK 50/500	(AB/Anon)
M42b	19-3	0812	19101	Wed	IC9U IC9U IC9U DE K9VE K9VE K. Header: 104 100 19 0800 6776=	CW + FSK 50/500	(AB)
M42b	19-3	1228	12093	Wed	NT9P NT9P NT9P DE K4MT K4MT K. Header: 521 100 19 1215 8455 =	CW + FSK 50/500	(AB)
M42b	20-3	0801	19101	Thu	6Jl1 6Jl1 6Jl1 DE 2YaNH 2YaNH. Header: 233 100 20 0755 9148= =	CW + FSK 50/500	(AB)
M42b	20-3	1228	12093	Thu	NT9P NT9P NT9P DE K4MT K4MT K. Header: 047 100 20 1215 4907 =	CW + FSK 50/500	(AB)
M42b	21-3	0807	19101	Fri	1EZP 1EZP 1EZP DE LH4Z LH4Z K. Header: 234 100 21 0800 8998=	CW + FSK 50/500	(AB)
M42b	21-3	1136	13962	Fri	KFUJ RTHZLQPCAUJ RTHZLQPXS GMOUEYPJCKZ OOOOooooooooooooo (repeated)	FSK 50/500	(AB)
M42b	21-3	1229	12093	Fri	NT9P NT9P NT9P DE K4MT K4MT K. Header: 826 100 21 1220 9842 =	CW + FSK 50/500	(AB)
M42b	22-3	0804	19101	Sat	2B8L 2B8L. Header: 235 100 22 0755 7562=	CW + FSK 50/500	(AB)
M42b	22-3	1229	12093	Sat	NT9P NT9P NT9P DE K4MT K4MT K. Header: 904 100 22 1220 9012=	CW + FSK 50/500	(AB)
M42b	22-3	1235	12212	Sat	N9TP i.p. ... 95495 84586 8353_ =100=	CW + FSK 50/500	(AB)
M42b	23-3	0807	19101	Sun	WX2A WX2A WX2A DE SXBH SBXH K. Header: 236 100 23 0800 5885=	CW + FSK 50/500	(AB)
M42b	23-3	1229	12093	Sun	NT9P NT9P NT9P DE K4MT K4MT QSA NO QS Y 03610 QSY 03610 K	CW	(AB)
M42b	24-3	0802	19101	Mon	S5W8 S5W8 S5W8 DE MB8W MB8W K. Header: 237 100 24 0755 8235=	CW + FSK 50/500	(AB)
M42b	24-3	1229	12093	Mon	NT9P NT9P NT9P DE K4MT K4MT K. Header: 299 100 24 1213 5252=	CW + FSK 50/500	(AB)
M42b	24-3	1229	12212	Mon	K4MT K4MT K4MT DE NT9P NT9P K. Header: 572 110 24 1230 1843=	CW + FSK 50/500	(AB)
M42b	25-3	0759	19101	Tue	5NT8 5NT8 5NT8 DE 19T. Header: 238 100 25 0800 6142=	CW + FSK 50/500	(AB)
M42b	25-3	1130	11547	Tue	KFUJ RTHZLQPCAUJ RTHZLQPCAUJ RTHZLQPCAUJ RTHZLQPCAUJ RTHZLQPCAUJ RTHZLP-CAUJ RTHZLQPCAUJ RTHZLQPCAUJ RTHZLQP NDISKRLZQPT OOOOooooooooooooo (re-peated)	FSK 50/500	(AB)
M42b	25-3	1229	12212	Tue	K4MT K4MT K4MT DE NT9P NT9P K. QSA3 QR U? K	CW + FSK 50/500	(AB)
M42b	25-3	1230	12093	Tue	NT9P NT9P NT9P DE K4MT K4MT K. Header: 380 100 25 1220 3275 =	CW + FSK 50/500	(AB)
M42b	26-3	1229	12093	Wed	NT9P NT9P NT9P DE K4MT K4MT K. Header: 633 100 26 1222 2025=	CW + FSK 50/500	(AB)
M42b	26-3	1229	12212	Wed	K4MT K4MT K4MT DE NT9P NT9P K. Header: 473 110 26 1230 4930 =	CW + FSK 50/500	(AB)
M42b	27-3	0803	19101	Thu	FI17 FI17 FI17 Header: 239 100 27 0800 5194= =	CW + FSK 50/500	(AB)
M42b	27-3	1231	12093	Thu	K4MT i.p. ... 42353 30552 88618 =100=	CW + FSK 50/500	(AB)
M42b	27-3	1231	12212	Thu	NT9P. Barely audible	CW + FSK 50/500	(AB)
M42b	28-3	0804	19101	Fri	X47B Header: 240 100 28 0755 9214=	CW + FSK 50/500	(AB)
M42b	28-3	1229	12093	Fri	NT9P NT9P NT9P DE K4MT K4MT K. Header: 923 100 28 1218 3478=	CW + FSK 50/500	(AB)
M42b	29-3	0809	19101	Sat	M4Yao M4Yao M4Yao DE FB9N FB9N K (repeated) VVVV QSA1 == NW QSY 91889 QSY 91889 K VVVV	CW	(AB)
M42b	30-3	0804	19101	Sun	K3AG. Header: 242 100 30 0755 7382=	CW + FSK 50/500	(AB)
M42b	31-3	0805	19101	Mon	N1ZE. Header: 243 100 31 0800 8235=	CW + FSK 50/500	(AB)
M42b	31-3	1230	12093	Mon	NT9P NT9P NT9P DE K4MT K4MT K. Header: 173 100 31 1220 8149 =	CW + FSK 50/500	(AB)
M42b	31-3	1230	12212	Mon	K4MT K4MT K4MT DE NT9P NT9P K. Too weak to copy	CW + FSK 50/500	(AB)</

M52b	3-3	0802	19101	Mon	5NT8. Header: 218 100 3 0800 5741=	CW + FSK 50/500	(AB)
M89	8-3	1327	6840	Sat	VVV Q2M Q2M Q2M DE NYZ NYZ repeats	CW	(ZC)
M89	9-3	0210	8662	Sun	Sends something like RRPT nP nnW nnnn K with n denoting digit	CW	(ZC)
M89	9-3	0858	8375	Sun	3JWV DE QH4P	CW	(ZC)
M89	9-3	0900	8321	Sun	sends cut number message	CW	(ZC)
M89	9-3	1036	5700	Sun	cut numbers, maybe Chinese military practice	CW	(ZC)
M89	9-3	1326	6423	Sun	sends cut number message, the recipient acknowledges using "R GA K" and things like "RRPT 89W K"	CW	(ZC)
M89	12-3	1902	4357	Wed	V 3JWV (x3) DE QSVP (x2)	CW	(JPL-TWN)
M89	12-3	1902	5742	Wed	V 3JWV (x3) DE QSVP (x2)	CW	(JPL-TWN)
M89	13-3	1804	4357	Thu	V 3JWV (x3) DE QSVP (x2)	CW	(JPL-TWN)
M89	13-3	1804	5742	Thu	V 3JWV (x3) DE QSVP (x2)	CW	(JPL-TWN)
M89	17-3	1950	4357	Mon	V 3JWV (x3) DE QSVP (x2)	CW	(JPL-TWN)
M89	17-3	1952	5742	Mon	V 3JWV (x3) DE QSVP (x2)	CW	(JPL-TWN)
M89	19-3	1721	4357	Wed	V 3JWV (x3) DE QSVP (x2)	CW	(JPL-TWN)
M89	19-3	1721	5742	Wed	V 3JWV (x3) DE QSVP (x2)	CW	(JPL-TWN)
M89	25-3	1545	4357	Tue	V 3JWV (x3) DE QSVP (x2)	CW	(JPL-TWN)
M89	25-3	1545	5742	Tue	V 3JWV (x3) DE QSVP (x2)	CW	(JPL-TWN)
M95	9-3	0927	9392	Sun	sends 3fg cut number groups, n3d 354 u46 353 4t7 445 4d6 75d 4d3 3an 353 ...	CW	(ZC)
M95	12-3	1852	3903	Wed	V WCJJ (x3) DE HBDD (x2)	CW	(JPL-RUS)
M95	12-3	1852	6886	Wed	V WCJJ (x3) DE HBDD (x2)	CW	(JPL-RUS)
M95	13-3	1800	3903	Thu	V WCJJ (x3) DE HBDD (x2)	CW	(JPL-RUS)
M95	13-3	1800	6886	Thu	V WCJJ (x3) DE HBDD (x2)	CW	(JPL-RUS)
M95	17-3	1950	3903	Mon	V WCJJ (x3) DE HBDD (x2)	CW	(JPL-RUS)
M95	17-3	1950	6886	Mon	V WCJJ (x3) DE HBDD (x2)	CW	(JPL-RUS)
M95	19-3	1658	3903	Wed	V WCJJ (x3) DE HBDD (x2)	CW	(JPL-RUS)
M95	19-3	1658	6886	Wed	V WCJJ (x3) DE HBDD (x2)	CW	(JPL-RUS)
M95	25-3	1542	3903	Tue	V WCJJ (x3) DE HBDD (x2)	CW	(JPL-RUS)
M95	25-3	1542	6886	Tue	V WCJJ (x3) DE HBDD (x2)	CW	(JPL-RUS)
MX	3-3	2147	4031	Mon	Beacon V	CW	(AB)
MX	3-3	2147	5445	Mon	Beacon V	CW	(AB)
MX	8-3	1235	7758	Sat	Beacon V	CW	(ZC)
MX	10-3	1832	4031	Mon	Beacon V	CW	(AB)
MX	10-3	1832	5445	Mon	Beacon V	CW	(AB)
MX	13-3	1812	5472	Thu	Beacon V	CW	(Pille)
MX	13-3	1812	5472	Thu	Beacon V	CW	(Pille)
MX	13-3	2026	5472	Thu	Beacon V	CW	(Pille)
MX	13-3	2028	5445	Thu	Beacon V	CW	(Pille)
MX	14-3	1919	5445	Fri	Beacon V	CW	(AB)
MX	23-3	1055	5154.4	Sun	Beacon M, Magada	CW	(ZC)
NB	1-3	1616	8365	Sat	Unid station a.k.a. New Buzzer	USB	(AB)

NB	1-3	1631	5107	Sat	Unid station a.k.a. New Buzzer	USB	(AB)
NB	1-3	1631	8160	Sat	Unid station a.k.a. New Buzzer	USB	(AB)
NB	3-3	1922	5090	Mon	Unid station a.k.a. New Buzzer	USB	(AB)
NB	3-3	1922	5782	Mon	Unid station a.k.a. New Buzzer	USB	(AB)
NB	3-3	1922	6930	Mon	Unid station a.k.a. New Buzzer	USB	(AB)
NB	10-3	1830	6085	Mon	Unid station a.k.a. New Buzzer	USB	(AB)
NB	10-3	1830	7230	Mon	Unid station a.k.a. New Buzzer	USB	(AB)
NB	10-3	1830	7550	Mon	Unid station a.k.a. New Buzzer	USB	(AB)
NB	12-3	1804	5782	Wed	Unid station a.k.a. New Buzzer	USB	(AB)
NB	12-3	1804	6930	Wed	Unid station a.k.a. New Buzzer	USB	(AB)
NB	15-3	1900	5107	Sat	Unid station a.k.a. New Buzzer	USB	(AB)
NB	15-3	1900	8160	Sat	Unid station a.k.a. New Buzzer	USB	(AB)
NB	17-3	1836	5782	Mon	Unid station a.k.a. New Buzzer	USB	(AB)
NB	17-3	1836	6930	Mon	Unid station a.k.a. New Buzzer	USB	(AB)
NB	18-3	0040	8160	Tue	Unid station a.k.a. New Buzzer	USB	(AB)
NB	18-3	1844	5107	Tue	Unid station a.k.a. New Buzzer	USB	(AB)
NB	18-3	1844	8160	Tue	Unid station a.k.a. New Buzzer	USB	(AB)
NB	19-3	1812	6085	Wed	Unid station a.k.a. New Buzzer	USB	(AB)
NB	19-3	1812	7230	Wed	Unid station a.k.a. New Buzzer	USB	(AB)
NB	19-3	1812	7550	Wed	Unid station a.k.a. New Buzzer	USB	(AB)
NB	20-3	1850	5107	Thu	Unid station a.k.a. New Buzzer	USB	(AB)
NB	20-3	1850	8160	Thu	Unid station a.k.a. New Buzzer	USB	(AB)
NB	21-3	1626	5365	Fri	Unid station a.k.a. New Buzzer	USB	(Pille)
NB	21-3	1626	6365	Fri	Unid station a.k.a. New Buzzer	USB	(Pille)
NB	21-3	1626	8365	Fri	Unid station a.k.a. New Buzzer	USB	(Pille)
NB	21-3	1653	5365	Fri	Unid station a.k.a. New Buzzer	USB	(AB)
NB	21-3	1653	6365	Fri	Unid station a.k.a. New Buzzer	USB	(AB)
NB	21-3	1653	8365	Fri	Unid station a.k.a. New Buzzer	USB	(AB)
NB	21-3	1832	5782	Fri	Unid station a.k.a. New Buzzer	USB	(AB)
NB	21-3	1832	5950	Fri	Unid station a.k.a. New Buzzer	USB	(AB)
NB	21-3	1832	6930	Fri	Unid station a.k.a. New Buzzer	USB	(AB)
NB	22-3	1926	5107	Sat	Unid station a.k.a. New Buzzer	USB	(AB)
NB	22-3	1926	8160	Sat	Unid station a.k.a. New Buzzer	USB	(AB)
NB	22-3	1926	9695	Sat	Unid station a.k.a. New Buzzer	USB	(AB)
NB	23-3	1924	5782	Sun	Unid station a.k.a. New Buzzer	USB	(AB)
NB	23-3	1924	5950	Sun	Unid station a.k.a. New Buzzer	USB	(AB)
NB	23-3	1924	6930	Sun	Unid station a.k.a. New Buzzer	USB	(AB)
NB	24-3	1654	5782	Mon	Unid station a.k.a. New Buzzer	USB	(AB)
NB	24-3	1654	5950	Mon	Unid station a.k.a. New Buzzer	USB	(AB)
NB	24-3	1654	6930	Mon	Unid station a.k.a. New Buzzer	USB	(AB)
NB	25-3	1745	6085	Tue	Unid station a.k.a. New Buzzer	USB	(AB)

NB	25-3	1745	7230	Tue	Unid station a.k.a. New Buzzer	USB	(AB)
NB	25-3	1745	7550	Tue	Unid station a.k.a. New Buzzer	USB	(AB)
NB	26-3	2158	6085	Wed	Unid station a.k.a. New Buzzer	USB	(AB)
NB	26-3	2158	7230	Wed	Unid station a.k.a. New Buzzer	USB	(AB)
NB	26-3	2158	7550	Wed	Unid station a.k.a. New Buzzer	USB	(AB)
NB	27-3	2147	6085	Thu	Unid station a.k.a. New Buzzer	USB	(AB)
NB	27-3	2147	7230	Thu	Unid station a.k.a. New Buzzer	USB	(AB)
NB	27-3	2147	7550	Thu	Unid station a.k.a. New Buzzer	USB	(AB)
NB	28-3	1728	6085	Fri	Unid station a.k.a. New Buzzer	USB	(Pille)
NB	28-3	1728	7230	Fri	Unid station a.k.a. New Buzzer	USB	(Pille)
NB	28-3	1728	7550	Fri	Unid station a.k.a. New Buzzer	USB	(Pille)
NB	28-3	1735	6085	Fri	Unid station a.k.a. New Buzzer	USB	(AB)
NB	28-3	1735	7230	Fri	Unid station a.k.a. New Buzzer	USB	(AB)
NB	28-3	1735	7550	Fri	Unid station a.k.a. New Buzzer	USB	(AB)
NB	29-3	0230	5782	Sat	Unid station a.k.a. New Buzzer	USB	(AB)
NB	29-3	0230	5950	Sat	Unid station a.k.a. New Buzzer	USB	(AB)
NB	29-3	0230	6930	Sat	Unid station a.k.a. New Buzzer	USB	(AB)
NB	29-3	1656	5782	Sat	Unid station a.k.a. New Buzzer	USB	(Pille)
NB	29-3	1656	5950	Sat	Unid station a.k.a. New Buzzer	USB	(Pille)
NB	29-3	1656	6930	Sat	Unid station a.k.a. New Buzzer	USB	(Pille)
NB	29-3	2018	5782	Sat	Unid station a.k.a. New Buzzer	USB	(AB)
NB	29-3	2018	5950	Sat	Unid station a.k.a. New Buzzer	USB	(AB)
NB	29-3	2018	6930	Sat	Unid station a.k.a. New Buzzer	USB	(AB)
NB	30-3	1700	5107	Sun	Unid station a.k.a. New Buzzer	USB	(AB)
NB	30-3	1700	8160	Sun	Unid station a.k.a. New Buzzer	USB	(AB)
NB	30-3	1700	9695	Sun	Unid station a.k.a. New Buzzer	USB	(AB)
NB	31-3	1644	5107	Mon	Unid station a.k.a. New Buzzer	USB	(Pille)
NB	31-3	1644	8160	Mon	Unid station a.k.a. New Buzzer	USB	(Pille)
NB	31-3	1644	9695	Mon	Unid station a.k.a. New Buzzer	USB	(Pille)
P03	1-3	1020	6252	Sat	Polish intel.	PSK	(AB)
P03	1-3	1025	6252	Sat	Polish intel.	PSK	(AB)
P03	1-3	1245	5082	Sat	Polish intel.	PSK	(AB)
P03	1-3	1250	5082	Sat	Polish intel.	PSK	(AB)
P03	2-3	0530	4536	Sun	Polish intel.	PSK	(AB)
P03	2-3	0535	4536	Sun	Polish intel.	PSK	(AB)
P03	2-3	1020	6252	Sun	Polish intel.	PSK	(AB)
P03	2-3	1025	6252	Sun	Polish intel.	PSK	(AB)
P03	2-3	1100	7637	Sun	Polish intel.	PSK	(AB)
P03	2-3	1105	7637	Sun	Polish intel.	PSK	(AB)
P03	2-3	1220	22992	Sun	Polish intel.	PSK	(AB)
P03	2-3	1225	22992	Sun	Polish intel.	PSK	(AB)

P03	2-3	1245	5082	Sun	Polish intel.	PSK	(AB)
P03	2-3	1250	5082	Sun	Polish intel.	PSK	(AB)
P03	2-3	1515	17441	Sun	Polish intel.	PSK	(AB)
P03	2-3	1520	17441	Sun	Polish intel.	PSK	(AB)
P03	2-3	1725	12385	Sun	Polish intel.	PSK	(AB)
P03	2-3	1730	12385	Sun	Polish intel.	PSK	(AB)
P03	2-3	1950	7600	Sun	Polish intel.	PSK	(AB)
P03	2-3	1955	7600	Sun	Polish intel.	PSK	(AB)
P03	3-3	1220	22992	Mon	Polish intel.	PSK	(AB)
P03	3-3	1225	22992	Mon	Polish intel.	PSK	(AB)
P03	4-3	1725	12385	Tue	Polish intel.	PSK	(AB)
P03	4-3	1730	12385	Tue	Polish intel.	PSK	(AB)
P03	5-3	1310	9963	Wed	Polish intel.	PSK	(AB)
P03	5-3	1315	9963	Wed	Polish intel.	PSK	(AB)
P03	7-3	0530	4536	Fri	Polish intel.	PSK	(AB)
P03	7-3	0535	4536	Fri	Polish intel.	PSK	(AB)
P03	7-3	1100	7637	Fri	Polish intel.	PSK	(AB)
P03	7-3	1105	7637	Fri	Polish intel.	PSK	(AB)
P03	7-3	1515	17441	Fri	Polish intel.	PSK	(AB)
P03	7-3	1520	17441	Fri	Polish intel.	PSK	(AB)
P03	8-3	1020	6252	Sat	Polish intel.	PSK	(AB)
P03	8-3	1025	6252	Sat	Polish intel.	PSK	(AB)
P03	8-3	1245	5082	Sat	Polish intel.	PSK	(AB)
P03	8-3	1250	5082	Sat	Polish intel.	PSK	(AB)
P03	9-3	0530	4536	Sun	Polish intel.	PSK	(AB)
P03	9-3	0535	4536	Sun	Polish intel.	PSK	(AB)
P03	9-3	1020	6252	Sun	Polish intel.	PSK	(AB)
P03	9-3	1025	6252	Sun	Polish intel.	PSK	(AB)
P03	9-3	1100	7637	Sun	Polish intel.	PSK	(AB)
P03	9-3	1105	7637	Sun	Polish intel.	PSK	(AB)
P03	9-3	1220	22992	Sun	Polish intel.	PSK	(AB)
P03	9-3	1225	22992	Sun	Polish intel.	PSK	(AB)
P03	9-3	1245	5082	Sun	Polish intel.	PSK	(AB)
P03	9-3	1250	5082	Sun	Polish intel.	PSK	(AB)
P03	9-3	1515	17441	Sun	Polish intel.	PSK	(AB)
P03	9-3	1520	17441	Sun	Polish intel.	PSK	(AB)
P03	9-3	1725	12385	Sun	Polish intel.	PSK	(AB)
P03	9-3	1730	12385	Sun	Polish intel.	PSK	(AB)
P03	9-3	1950	7600	Sun	Polish intel.	PSK	(AB)
P03	9-3	1955	7600	Sun	Polish intel.	PSK	(AB)
P03	10-3	1220	22992	Mon	Polish intel.	PSK	(AB)

P03	10-3	1225	22992	Mon	Polish intel.	PSK	(AB)
P03	11-3	1725	12385	Tue	Polish intel.	PSK	(AB)
P03	11-3	1730	12385	Tue	Polish intel.	PSK	(AB)
P03	12-3	1310	9963	Wed	Polish intel.	PSK	(AB)
P03	12-3	1315	9963	Wed	Polish intel.	PSK	(AB)
P03	14-3	0530	4536	Fri	Polish intel.	PSK	(AB)
P03	14-3	0535	4536	Fri	Polish intel.	PSK	(AB)
P03	14-3	1100	7637	Fri	Polish intel.	PSK	(AB)
P03	14-3	1105	7637	Fri	Polish intel.	PSK	(AB)
P03	14-3	1515	17441	Fri	Polish intel.	PSK	(AB)
P03	14-3	1520	17441	Fri	Polish intel.	PSK	(AB)
P03	15-3	1020	6252	Sat	Polish intel.	PSK	(AB)
P03	15-3	1025	6252	Sat	Polish intel.	PSK	(AB)
P03	15-3	1245	5082	Sat	Polish intel.	PSK	(AB)
P03	15-3	1250	5082	Sat	Polish intel.	PSK	(AB)
P03	15-3	1310	9963	Sat	Polish intel.	PSK	(AB)
P03	15-3	1315	9963	Sat	Polish intel.	PSK	(AB)
P03	16-3	0530	4536	Sun	Polish intel.	PSK	(AB)
P03	16-3	0535	4536	Sun	Polish intel.	PSK	(AB)
P03	16-3	1020	6252	Sun	Polish intel.	PSK	(AB)
P03	16-3	1025	6252	Sun	Polish intel.	PSK	(AB)
P03	16-3	1100	7637	Sun	Polish intel.	PSK	(AB)
P03	16-3	1105	7637	Sun	Polish intel.	PSK	(AB)
P03	16-3	1220	22992	Sun	Polish intel.	PSK	(AB)
P03	16-3	1225	22992	Sun	Polish intel.	PSK	(AB)
P03	16-3	1245	5082	Sun	Polish intel.	PSK	(AB)
P03	16-3	1250	5082	Sun	Polish intel.	PSK	(AB)
P03	16-3	1515	17441	Sun	Polish intel.	PSK	(AB)
P03	16-3	1520	17441	Sun	Polish intel.	PSK	(AB)
P03	16-3	1725	12385	Sun	Polish intel.	PSK	(AB)
P03	16-3	1730	12385	Sun	Polish intel.	PSK	(AB)
P03	16-3	1950	7600	Sun	Polish intel.	PSK	(AB)
P03	16-3	1955	7600	Sun	Polish intel.	PSK	(AB)
P03	17-3	1220	22992	Mon	Polish intel.	PSK	(AB)
P03	17-3	1225	22992	Mon	Polish intel.	PSK	(AB)
P03	18-3	1725	12385	Tue	Polish intel.	PSK	(AB)
P03	18-3	1730	12385	Tue	Polish intel.	PSK	(AB)
P03	19-3	1310	9963	Wed	Polish intel.	PSK	(AB)
P03	19-3	1315	9963	Wed	Polish intel.	PSK	(AB)
P03	20-3	1950	7600	Thu	Polish intel.	PSK	(AB)
P03	20-3	1955	7600	Thu	Polish intel.	PSK	(AB)

P03	21-3	0530	4536	Fri	Polish intel.	PSK	(AB)
P03	21-3	0535	4536	Fri	Polish intel.	PSK	(AB)
P03	21-3	1100	7637	Fri	Polish intel.	PSK	(AB)
P03	21-3	1105	7637	Fri	Polish intel.	PSK	(AB)
P03	21-3	1515	17441	Fri	Polish intel.	PSK	(AB)
P03	21-3	1520	17441	Fri	Polish intel.	PSK	(AB)
P03	22-3	1020	6252	Sat	Polish intel.	PSK	(AB)
P03	22-3	1025	6252	Sat	Polish intel.	PSK	(AB)
P03	22-3	1245	5082	Sat	Polish intel.	PSK	(AB)
P03	22-3	1250	5082	Sat	Polish intel.	PSK	(AB)
P03	22-3	1310	9963	Sat	Polish intel.	PSK	(AB)
P03	22-3	1315	9963	Sat	Polish intel.	PSK	(AB)
P03	23-3	0530	4536	Sun	Polish intel.	PSK	(AB)
P03	23-3	0535	4536	Sun	Polish intel.	PSK	(AB)
P03	23-3	1020	6252	Sun	Polish intel.	PSK	(AB)
P03	23-3	1025	6252	Sun	Polish intel.	PSK	(AB)
P03	23-3	1100	7637	Sun	Polish intel.	PSK	(AB)
P03	23-3	1105	7637	Sun	Polish intel.	PSK	(AB)
P03	23-3	1220	22992	Sun	Polish intel.	PSK	(AB)
P03	23-3	1225	22992	Sun	Polish intel.	PSK	(AB)
P03	23-3	1245	5082	Sun	Polish intel.	PSK	(AB)
P03	23-3	1250	5082	Sun	Polish intel.	PSK	(AB)
P03	23-3	1515	17441	Sun	Polish intel.	PSK	(AB)
P03	23-3	1520	17441	Sun	Polish intel.	PSK	(AB)
P03	23-3	1725	12385	Sun	Polish intel.	PSK	(AB)
P03	23-3	1730	12385	Sun	Polish intel.	PSK	(AB)
P03	23-3	1950	7600	Sun	Polish intel.	PSK	(AB)
P03	23-3	1950	7600	Sun	Polish intel.	PSK	(AB)
P03	23-3	1955	7600	Sun	Polish intel.	PSK	(AB)
P03	23-3	1955	7600	Sun	Polish intel.	PSK	(AB)
P03	24-3	1220	22992	Mon	Polish intel.	PSK	(AB)
P03	24-3	1225	22992	Mon	Polish intel.	PSK	(AB)
P03	25-3	1725	12385	Tue	Polish intel.	PSK	(AB)
P03	25-3	1730	12385	Tue	Polish intel.	PSK	(AB)
P03	26-3	1310	9963	Wed	Polish intel.	PSK	(AB)
P03	26-3	1315	9963	Wed	Polish intel.	PSK	(AB)
P03	27-3	1950	7600	Thu	Polish intel.	PSK	(AB)
P03	27-3	1955	7600	Thu	Polish intel.	PSK	(AB)
P03	28-3	0530	4536	Fri	Polish intel.	PSK	(AB)
P03	28-3	0535	4536	Fri	Polish intel.	PSK	(AB)
P03	28-3	1100	7637	Fri	Polish intel.	PSK	(AB)

P03	28-3	1105	7637	Fri	Polish intel.	PSK	(AB)
P03	28-3	1515	17441	Fri	Polish intel.	PSK	(AB)
P03	28-3	1520	17441	Fri	Polish intel.	PSK	(AB)
P03	29-3	1020	6252	Sat	Polish intel.	PSK	(AB)
P03	29-3	1025	6252	Sat	Polish intel.	PSK	(AB)
P03	29-3	1245	5082	Sat	Polish intel.	PSK	(AB)
P03	29-3	1250	5082	Sat	Polish intel.	PSK	(AB)
P03	29-3	1310	9963	Sat	Polish intel.	PSK	(AB)
P03	29-3	1315	9963	Sat	Polish intel.	PSK	(AB)
P03	30-3	0530	4536	Sun	Polish intel.	PSK	(AB)
P03	30-3	0535	4536	Sun	Polish intel.	PSK	(AB)
P03	30-3	1020	6252	Sun	Polish intel.	PSK	(AB)
P03	30-3	1025	6252	Sun	Polish intel.	PSK	(AB)
P03	30-3	1100	7637	Sun	Polish intel.	PSK	(AB)
P03	30-3	1105	7637	Sun	Polish intel.	PSK	(AB)
P03	30-3	1220	22992	Sun	Polish intel.	PSK	(AB)
P03	30-3	1225	22992	Sun	Polish intel.	PSK	(AB)
P03	30-3	1245	5082	Sun	Polish intel.	PSK	(AB)
P03	30-3	1250	5082	Sun	Polish intel.	PSK	(AB)
P03	30-3	1515	17441	Sun	Polish intel.	PSK	(AB)
P03	30-3	1520	17441	Sun	Polish intel.	PSK	(AB)
P03	30-3	1725	12385	Sun	Polish intel.	PSK	(AB)
P03	30-3	1730	12385	Sun	Polish intel.	PSK	(AB)
P03	31-3	1220	22992	Mon	Polish intel.	PSK	(AB)
P03	31-3	1225	22992	Mon	Polish intel.	PSK	(AB)
P03g	4-3	1800	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	4-3	1805	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	11-3	1800	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	11-3	1805	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	18-3	1800	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	18-3	1805	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	20-3	1800	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	20-3	1805	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	25-3	1800	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	25-3	1805	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	27-3	1800	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	27-3	1805	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03k	1-3	0630	9052	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	1-3	0635	9052	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	1-3	1230	18811	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	1-3	1235	18811	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)

P03k	1-3	1730	6767	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	1-3	1735	6767	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	2-3	0630	9052	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	2-3	0635	9052	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4-3	1230	18811	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	4-3	1235	18811	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5-3	1730	6767	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5-3	1735	6767	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8-3	0630	9052	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8-3	0635	9052	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8-3	1230	18811	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8-3	1235	18811	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8-3	1730	6767	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8-3	1735	6767	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9-3	0630	9052	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9-3	0635	9052	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	11-3	1230	18811	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	11-3	1235	18811	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	12-3	1730	6767	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	12-3	1735	6767	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	15-3	0630	9052	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	15-3	0635	9052	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	15-3	1230	18811	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	15-3	1235	18811	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	15-3	1730	6767	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	15-3	1735	6767	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	16-3	0630	9052	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	16-3	0635	9052	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	18-3	1230	18811	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	18-3	1235	18811	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	19-3	1730	6767	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	19-3	1735	6767	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	22-3	0630	9052	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	22-3	0635	9052	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	22-3	1230	18811	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	22-3	1235	18811	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	22-3	1730	6767	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	22-3	1735	6767	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	23-3	0630	9052	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	23-3	0635	9052	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	25-3	1230	18811	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)

P03k	25-3	1235	18811	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	26-3	1730	6767	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	26-3	1735	6767	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	29-3	0630	9052	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	29-3	0635	9052	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	29-3	1230	18811	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	29-3	1235	18811	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	29-3	1730	6767	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	29-3	1735	6767	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	30-3	0630	9052	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	30-3	0635	9052	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03l	3-3	1200	9052	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	3-3	1205	9052	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	4-3	0430	10210	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	4-3	0435	10210	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	4-3	1100	10298	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	4-3	1105	10298	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	5-3	1100	10298	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	5-3	1105	10298	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	5-3	1345	13470	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	5-3	1350	13470	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	6-3	0430	10210	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	6-3	0435	10210	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	6-3	1200	9052	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	6-3	1205	9052	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	7-3	1345	13470	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	7-3	1350	13470	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	10-3	1200	9052	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	10-3	1205	9052	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	11-3	0430	10210	Tue	Polish intel.	QPSK 100Bd/464bp	(TM)
P03l	11-3	0435	10210	Tue	Polish intel.	QPSK 100Bd/464bp	(TM)
P03l	11-3	1100	10298	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	11-3	1105	10298	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	12-3	1100	10298	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	12-3	1105	10298	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	12-3	1345	13470	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	12-3	1350	13470	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	13-3	1200	9052	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	13-3	1205	9052	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	17-3	1200	9052	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03l	17-3	1205	9052	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)

P03I	18-3	0430	10210	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	18-3	0435	10210	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	18-3	1100	10298	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	18-3	1105	10298	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	19-3	1100	10298	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	19-3	1105	10298	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	19-3	1345	13470	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	19-3	1350	13470	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	20-3	0430	10210	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	20-3	0435	10210	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	21-3	1345	13470	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	21-3	1350	13470	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	24-3	1200	9052	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	24-3	1205	9052	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	25-3	0430	10210	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	25-3	0435	10210	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	25-3	1100	10298	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	25-3	1105	10298	Tue	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	26-3	1100	10298	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	26-3	1105	10298	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	26-3	1345	13470	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	26-3	1350	13470	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	27-3	0430	10210	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	27-3	0435	10210	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	27-3	1200	9052	Thu	Polish intel.	QPSK 100Bd/464bp	(AB/PY)
P03I	27-3	1205	9052	Thu	Polish intel.	QPSK 100Bd/464bp	(AB/PY)
P03I	28-3	1345	13470	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	28-3	1350	13470	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	31-3	1200	9052	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	31-3	1205	9052	Mon	Polish intel.	QPSK 100Bd/464bp	(AB)
P07	2-3	1500	10328	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	2-3	1510	9388	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	2-3	1520	9062	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	2-3	1530	8134	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	2-3	1540	7886	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	2-3	1550	7462	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	5-3	1500	10328	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	5-3	1510	9388	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	5-3	1520	9062	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	5-3	1530	8134	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	5-3	1540	7886	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)

[illegible]

P07	30-3	1540	7886	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	30-3	1550	7462	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
Q26	1-3	0306	9039	Sat	HR MSG TO YR PSE CY A HR MSG NR045 35 35 0301 0612 --	4+4 QPSK 75/1000 LSB	(VSh)
Q26	1-3	0306	9039	Sat	Message	4+4 QPSK 75/1000 LSB	(ZC)
Q26	5-3	1050	14808.5	Wed	1234 5678 9012 3456 7890 1234 5678 9012 3456 7890 ...	4+4 QPSK 75/1000 LSB	(EW)
Q26	7-3	0716	18989	Fri	G9NG GG9NG DE CMEX CMEX CMEX HR MSG GAU 0569 499 24 0307 1513 H7RP---PWH5 ...	4+4 QPSK 75/1000 LSB	(EW)
Q26	8-3	1229	8002	Sat	Message	4+4 QPSK 75/1000 LSB	(ZC)
S06	1-3	1310	11073	Sat	352 647 25 33392 11460 61860 ... 80836 84080 20560 647 352 901 30 69256 71388 97472 ... 62145 48225 04911 901 30 00000	USB	(PY)
S06	1-3	1600	11128	Sat	480 536 42 93176 17213 71071 ... 06382 74393 94525 536 42 00000	USB	(AB)
S06	1-3	1600	11128	Sat	480 536 42 93176 ...	USB	(HFD)
S06	1-3	1630	9073	Sat	480 536 42 93176 17213 71071 ... 06382 74393 94525 536 42 00000	USB	(AB)
S06	1-3	1630	9073	Sat	480 536 42 93176 ...	USB	(HFD)
S06	2-3	0730	13945	Sun	480 536 42 93176 ...	USB	(AB)
S06	2-3	0730	13945	Sun	480 536 42 93176 ...	USB	(HFD)
S06	2-3	0800	12903	Sun	480 536 42 93176 17213 71071 ... 06382 74393 94525 536 42 00000 (audio issues)	USB	(AB)
S06	3-3	0400	11616	Mon	480 ...	USB	(HFD-J)
S06	3-3	0400	11616	Mon	480 153 60 12451 24564 15667 ... 28952 74801 04984 153 60 00000	USB	(Subilo)
S06	3-3	0420	9322	Mon	480 ...	USB	(HFD-J)
S06	3-3	0420	9322	Mon	480 153 60 12451 24564 15667 ... 28952 74801 04984 153 60 00000	USB	(Subilo)
S06	4-3	0400	11616	Tue	480 153 60 12451 24564 15667 ... 28952 74801 04984 153 60 00000	USB	(Subilo)
S06	4-3	0420	9322	Tue	480 153 60 12451 24564 15667 ... 28952 74801 04984 153 60 00000	USB	(Subilo)
S06	5-3	0400	11616	Wed	480 296 31 92539 54329 20729 ... 91091 80263 86665 296 31 480 371 25 89016 03436 21739 ... 65982 22949 96278 371 25 00000	USB	(Subilo)
S06	5-3	0420	9322	Wed	480 296 31 92539 54329 20729 ... 91091 80263 86665 296 31 480 371 25 89016 03436 21739 ... 65982 22949 96278 371 25 00000	USB	(Subilo)
S06	5-3	0930	13945	Wed	480 271 43 10784 53718 39105 ... 54641 51245 80741 271 43 00000	USB	(AB/HFD)
S06	5-3	1030	15643	Wed	480 271 43 10784 53718 39105 ... 54641 51245 80741 271 43 00000	USB	(AB/HFD)
S06	6-3	0400	11616	Thu	480 296 31 92539 54329 20729 ... 91091 80263 86665 296 31 480 371 25 89016 03436 21739 ... 65982 22949 96278 371 25 00000	USB	(Subilo)
S06	6-3	0420	9322	Thu	480 296 31 92539 54329 20729 ... 91091 80263 86665 296 31 480 371 25 89016 03436 21739 ... 65982 22949 96278 371 25 00000	USB	(Subilo)
S06	7-3	0400	11616	Fri	480 480 480 00000	USB	(Subilo)
S06	7-3	0420	9322	Fri	480 480 480 00000	USB	(Subilo)
S06	7-3	2100	7505	Fri	842:0 x7495	USB	(HFD)
S06	7-3	2100	7505	Fri	842 00000	USB	(Lac)
S06	10-3	0400	11616	Mon	480 526 60 26055 44126 98148 ... 55826 47618 44010 526 60 00000	USB	(Subilo)
S06	10-3	0420	9322	Mon	480 526 60 26055 44126 98148 ... 55826 47618 44010 526 60 00000	USB	(Subilo)
S06	11-3	0400	11616	Tue	480 526 60 26055 44126 98148 ... 55826 47618 44010 526 60 00000	USB	(Subilo)
S06	11-3	0420	9322	Tue	480 526 60 26055 44126 98148 ... 55826 47618 44010 526 60 00000	USB	(Subilo)

S06	12-3	0400	11616	Wed	480 971 27 62415 52986 58446 ... 18915 46776 27018 971 27 480 352 28 93186 43212 29149 ... 99505 10244 60152 352 28 00000	USB	(Subilo)
S06	12-3	0420	9322	Wed	480 971 27 62415 52986 58446 ... 18915 46776 27018 971 27 480 352 28 93186 43212 29149 ... 99505 10244 60152 352 28 00000	USB	(Subilo)
S06	12-3	0840	10755	Wed	975 321 60 98425 60764 50719 ... 75843 48606 56402 321 60 00000	USB	(PY)
S06	12-3	0930	13945	Wed	480 762 41 52048 68051 80313 ... 87873 78454 89171 762 41 00000	USB	(AB/Lac)
S06	12-3	1030	15643	Wed	480 762 41 52048 68051 80313 ... 87873 78454 89171 762 41 00000	USB	(AB/Lac)
S06	13-3	0400	11616	Thu	480 971 27 62415 52986 58446 ... 18915 46776 27018 971 27 480 352 28 93186 43212 29149 ... 99505 10244 60152 352 28 00000	USB	(Subilo)
S06	13-3	0420	9322	Thu	480 971 27 62415 52986 58446 ... 18915 46776 27018 971 27 480 352 28 93186 43212 29149 ... 99505 10244 60152 352 28 00000	USB	(Subilo)
S06	14-3	0400	11616	Fri	480 480 480 00000	USB	(Subilo)
S06	14-3	0420	9322	Fri	480 480 480 00000	USB	(Subilo)
S06	15-3	1600	11128	Sat	480 953 46 71938 16872 82536 ... 84693 64747 16952 953 46 00000	USB	(AB)
S06	15-3	1630	9073	Sat	480 953 46 71938 16872 82536 ... 84693 64747 16952 953 46 00000	USB	(AB)
S06	16-3	0730	13945	Sun	480 953 46 71938 16872 82536 ... 84693 64747 16952 953 46 00000	USB	(AB)
S06	16-3	0800	12903	Sun	480 953 46 71938 16872 82536 ... 84693 64747 16952 953 46 00000	USB	(AB)
S06	17-3	0400	11616	Mon	480 691 52 50252 27334 77535 ... 09336 13160 30802 691 52 00000	USB	(Lac)
S06	17-3	0420	9322	Mon	480 691 52 50252 27334 77535 ... 09336 13160 30802 691 52 00000	USB	(Lac)
S06	19-3	0930	12207	Wed	480 126 44 71476 65135 56528 ... 37340 56504 26748 126 44 00000	USB	(AB/PY)
S06	21-3	2000	9925	Fri	842 842 842 00000	USB	(AB)
S06	21-3	2100	7505	Fri	842 842 842 00000	USB	(AB)
S06	26-3	0930	12207	Wed	480 ... (too weak to copy)	USB	(AB)
S06	26-3	0930	12207	Wed	480 152 46 86092 43736 98147 ... 68507 43140 15406 152 46 00000	USB	(PY)
S06	26-3	1030	11128	Wed	480 152 46 86092 43736 98147 ... 68507 43140 15406 152 46 00000	USB	(PY)
S06	29-3	1600	11128	Sat	480 697 44 81913 81729 03127 ... 86758 93810 90987 697 44 00000	USB	(AB)
S06	29-3	1600	11128	Sat	480 697 44 81913 81729 03127 ... 86758 93810 90987 697 44 00000	USB	(Lac)
S06	29-3	1630	9073	Sat	480 697 44 81913 81729 03127 ... 86758 93810 90987 697 44 00000	USB	(AB)
S06	29-3	1630	9073	Sat	480 697 44 81913 81729 03127 ... 86758 93810 90987 697 44 00000	USB	(Lac)
S06	30-3	0730	13945	Sun	480 697 44 81913 81729 03127 ... 86758 93810 90987 697 44 00000	USB	(AB)
S06	30-3	0800	12903	Sun	480 697 44 81913 81729 03127 ... 86758 93810 90987 697 44 00000	USB	(AB)
S06	31-3	0400	11616	Mon	480 315 52 07591 70256 37698 ... 61310 72361 67357 315 52 00000	USB	(Lac)
S06	31-3	0420	9322	Mon	480 315 52 07591 70256 37698 ... 61310 72361 67357 315 52 00000	USB	(Lac)
S06c	27-3	1623	14363	Thu	11002 (R4m)	USB	(PY)
S06c	27-3	1635	14363	Thu	11002 (R4m)	USB	(PY)
S06c	27-3	1645	11445	Thu	11002 (R4m)	USB	(PY)
S06g	10-3	1620	11073	Mon	352 54782 184 32 96395 26159 43477 ... 77424 70976 30024 184 32 00000	USB	(PY)
S06g	12-3	1015	11073	Wed	352 352 352 35817 769 40 47256 06864 17350 ... 80209 61768 52718 769 40 00000	USB	(kalv/Lac)
S06g	25-3	1400	19948	Tue	Active	USB	(FD)
S06g	25-3	1500	17516	Tue	539 60199 (R4m) 00000	USB	(PY)
S06g	26-3	1400	19948	Wed	539 60199 (R4) 00	USB	(AB)
S06g	26-3	1400	19948	Wed	539 60199 (R4m) 00-	USB	(PY)

S06g	26-3	1500	17516	Wed	539 60199 (R4) 00000	USB	(AB)
S06g	26-3	1500	17516	Wed	539 60199 (R4m) 00000	USB	(PY)
S11a	1-3	0830	6433	Sat	379/00 Konets	USB	(AB/HFD)
S11a	1-3	1850	10213	Sat	282/00 Konets	USB	(AB/HFD)
S11a	2-3	0830	6433	Sun	377/00 Konets	USB	(AB)
S11a	3-3	0700	8597	Mon	471/34 Vnimanije 43353 36125 22338 ... 53964 02514 68795 Vnimanije (msg rptd) Konets	USB	(AB/HFD)
S11a	3-3	0915	6480	Mon	482/00 Konets	USB	(AB/HFD/Lac)
S11a	4-3	0445	10728	Tue	799/00 Konets	USB	(AB/HFD)
S11a	4-3	1400	11420	Tue	425/00 Konets	USB	(AB/HFD)
S11a	5-3	1850	10213	Wed	280/00 Konets	USB	(AB)
S11a	6-3	0445	10728	Thu	791/00 Konets	USB	(AB)
S11a	6-3	0700	8597	Thu	471/34 Vnimanije 43353 36125 22338 ... 53964 02514 68795 Vnimanije (msg rptd) Konets	USB	(AB)
S11A	7-3	0725	23353	Fri	380/00 Konets	USB	(HFD)
S11a	7-3	0915	6480	Fri	481/00 Konets	USB	(AB)
S11a	7-3	1400	11420	Fri	422/00 Konets	USB	(AB)
S11a	8-3	0830	6433	Sat	376/00 Konets	USB	(AB)
S11a	8-3	1850	10213	Sat	287/00 Konets	USB	(AB)
S11a	9-3	0830	6433	Sun	379/00 Konets	USB	(AB)
S11a	10-3	0700	8597	Mon	479/00 Konets	USB	(AB)
S11a	10-3	0700	8597	Mon	479/00 Konets	USB	(Lac)
S11a	10-3	0915	6480	Mon	485/35 Vnimanije 50786 24360 97175 ... 68258 85101 19378 Vnimanije (msg rptd) Konets	USB	(AB/Lac)
S11a	11-3	0445	10728	Tue	799/00 Konets	USB	(TM)
S11a	11-3	1400	11420	Tue	422/00 Konets	USB	(AB/Lac)
S11a	12-3	0725	23353	Wed	380/00 Konets	USB	(AB-POL/Lac)
S11a	12-3	1850	10213	Wed	281/00 Konets	USB	(AB/Lac)
S11a	13-3	0700	8597	Thu	476/00 Konets	USB	(AB)
S11a	14-3	0725	23353	Fri	383/00 Konets	USB	(AB)
S11a	14-3	0725	23353	Fri	383/00 Konets	USB	(Lac)
S11a	14-3	0915	6480	Fri	485/35 Vnimanije 50786 24360 97175 ... 68258 85101 19378 Vnimanije (msg rptd) Konets	USB	(AB)
S11a	14-3	1400	11420	Fri	421/00 Konets	USB	(AB)
S11a	15-3	0830	6433	Sat	373/00 Konets	USB	(AB)
S11a	15-3	1850	10213	Sat	284/00 Konets	USB	(AB)
S11a	16-3	0830	6433	Sun	371/00 Konets	USB	(AB)
S11a	17-3	0510	23004	Mon	659/00 Konets	USB	(Lac)
S11a	17-3	0700	8597	Mon	471/00 Konets	USB	(AB)
S11a	17-3	0915	6480	Mon	486/00 Konets	USB	(AB)
S11a	18-3	0445	10728	Tue	794/00 Konets	USB	(TM)
S11a	18-3	1400	11420	Tue	425/00 Konets	USB	(AB)

S11a	19-3	1850	10213	Wed	284/00 Konets	USB	(AB)
S11a	20-3	0445	10728	Thu	793/00 Konets	USB	(AB)
S11a	20-3	0700	8597	Thu	477/00 Konets	USB	(AB)
S11a	21-3	0725	23353	Fri	387/00 Konets	USB	(AB)
S11a	21-3	0915	6480	Fri	483/00 Konets	USB	(AB)
S11a	21-3	1400	11420	Fri	429/00 Konets	USB	(AB)
S11a	22-3	0830	6433	Sat	378/00 Konets	USB	(AB)
S11a	22-3	1850	10213	Sat	288/00 Konets	USB	(AB)
S11a	23-3	0830	6433	Sun	372/00 Konets	USB	(AB)
S11a	24-3	0700	8597	Mon	472/00 Konets	USB	(AB)
S11a	24-3	0915	6480	Mon	484/00 Konets	USB	(AB)
S11a	25-3	0445	10728	Tue	793/00 Konets	USB	(TM)
S11a	25-3	1400	11420	Tue	425/32 Vnimanaye 59895 21265 58405 ... 11410 37250 16362 Vnimanaye)msg rptd) Konets	USB	(AB/Lac)
S11a	26-3	0725	23353	Wed	381/38 Vnimanaye 88163 33969 73958 ... 81300 73227 88307 Vnimanaye (msg rptd) Konets	USB	(AB-KWT)
S11a	26-3	1850	10213	Wed	280/36 Vnimanaye 56608 76888 30681 ... 82083 75387 60817 Vnimanaye (msg rptd) Konets	USB	(AB)
S11a	27-3	0445	10728	Thu	Too weak to copy	USB	(AB)
S11a	27-3	0700	8597	Thu	470/00 Konets	USB	(AB)
S11a	28-3	0915	6480	Fri	485/00 Konets	USB	(AB)
S11a	28-3	1400	11420	Fri	425/32 Vnimanaye 59895 21265 58405 ... 11410 37250 16362 Vnimanaye)msg rptd) Konets	USB	(AB)
S11a	29-3	0830	6433	Sat	373/36 Vnimanaye 93098 84861 30221 ... 92150 46207 06073 Vnimanaye (msg rptd) Konets	USB	(AB)
S11a	29-3	1850	10213	Sat	280/36 Vnimanaye 56608 76888 30681 ... 82083 75387 60817 Vnimanaye (msg rptd) Konets	USB	(AB)
S11a	30-3	0830	6433	Sun	373/36 Vnimanaye 93098 84861 30221 ... 92150 46207 06073 Vnimanaye (msg rptd) Konets	USB	(AB)
S11a	31-3	0510	23004	Mon	656/00 Konets	USB	(AB-POL/Lac)
S11a	31-3	0700	8597	Mon	479/00 Konets	USB	(AB)
S11a	31-3	0700	8597	Mon	479/00 Konets	USB	(Lac)
S11a	31-3	0915	6480	Mon	485/00 Konets	USB	(AB/Lac)
S25	18-3	1307	7859	Tue	i.p. 936 44395 [no 00000 outro]	USB	(PY)
S25	18-3	1320	4507	Tue	936 45145 (R4m) 936 45395 (R4m) 00000	USB	(PY)
S25	27-3	1435	19389	Thu	2 002 002 72572 002 72572 (R3m25s) 002 85572 (R3m45s) 002 0	USB	(Rycat)
S25	27-3	1445	17456	Thu	002 83632 (R4m) 002 70532 (R4m) 002 00000	USB	(Rycat)
UM04	1-3	0800	4735	Sat	VVV VVV PROMRCh = 01 03 = 1000 1100 1150 1340 1890 ... 0800 0770 0820 0980 1420 = AR	CW	(AB-HNG)
UM04	2-3	0800	4735	Sun	VVV VVV PROMRCh = 02 03 = 1000 1110 1160 1340 1910 ... 0800 0770 0820 0980 1430 = AR	CW	(AB-GRC)
UM04	3-3	0800	4735	Mon	VVV VVV PROMRCh = 03 03 = 1000 1120 1170 1350 1920 ... 0800 0780 0830 0990 1440 = AR	CW	(AB-GRC)
UM04	4-3	0800	4735	Tue	VVV VVV PROMRCh = 04 03 = 1000 1110 1160 1340 1900 ... 0800 0780 0830 0990 1440 = AR	CW	(AB-GRC)
UM04	5-3	0800	4735	Wed	VVV VVV PROMRCh = 05 03 = 1000 1100 1160 1330 1880 ... 0800 0780 0830 0990 1440 = AR	CW	(AB-GRC)

UM04	6-3	0800	4735	Thu	VVV VVV PROMRCh = 06 03 = 1000 1120 1170 1340 1890 ... 0800 0780 0830 0990 1440 = AR	CW	(AB-HNG)
UM04	7-3	0800	4735	Fri	VVV VVV PROMRCh = 07 03 = 1000 110 1150 1330 1870 ... 0800 0790 0830 0990 1440 = AR	CW	(AB-HNG)
UM04	8-3	0800	4735	Sat	VVV VVV PROMRCh = 08 03 = 1000 1090 1140 1320 1850 ... 0800 0790 0840 0990 1440 = AR	CW	(AB-HNG)
UM04	9-3	0800	4735	Sun	VVV VVV PROMRCh = 09 03 = 1000 1090 1140 1310 1840 ... 0800 0790 0840 1000 1450 = AR	CW	(AB-GRC)
UM04	10-3	0800	4735	Mon	VVV VVV PROMRCh = 10 03 = 1000 1080 1130 1310 1840 ... 0800 0800 0840 1000 1440 = AR	CW	(AB-GRC)
UM04	11-3	0800	4735	Tue	VVV VVV PROMRCh = 11 03 = 1000 1080 1130 1300 1830 ... 0800 0800 0840 1000 1450 = AB AR	CW	(AB-GRC)
UM04	12-3	0800	4735	Wed	VVV VVV PROMRCh = 12 03 = 1000 1070 1120 1290 1810 ... 0800 0800 0840 1000 1440 = AR	CW	(AB-GRC)
UM04	14-3	0800	4735	Fri	VVV VVV PROMRCh = 14 03 = 1000 1070 1110 1280 1790 ... 0800 0800 0840 1000 1450 = AR	CW	(AB-HNG)
UM04	15-3	0800	4735	Sat	VVV VVV PROMRCh = 15 03 = 1000 1060 1100 1270 1780 ... 0800 0800 0840 0990 1440 = AR	CW	(AB-HNG)
UM04	16-3	0800	4735	Sun	VVV VVV PROMRCh = 16 03 = 1000 1050 1100 1260 1770 ... 0800 0800 0840 1000 1440 = AR	CW	(AB-GRC)
UM04	17-3	0801	4735	Mon	VVV VVV PROMRCh = 17 03 = 1000 1050 1090 1250 1750 ... 0800 0800 0840 1000 1440 = AR	CW	(AB-GRC)
UM04	18-3	0800	4735	Tue	VVV VVV PROMRCh = 18 03 = 1000 1050 1090 1260 1750 ... 0800 0800 0850 1000 1450 = AR	CW	(AB-GRC)
UM04	19-3	0800	4735	Wed	VVV VVV PROMRCh = 19 03 = 1000 1050 1090 1250 1750 ... 0800 0800 0850 1000 1450 = AR	CW	(AB-GRC)
UM04	20-3	0800	4735	Thu	VVV VVV PROMRCh = 20 03 = 1000 1050 1090 1250 1730 ... 0800 0810 0860 1010 1460 = AR	CW	(AB-GRC)
UM04	21-3	0800	4735	Fri	VVV VVV PROMRCh = 21 03 = 1000 1040 1090 1240 1720 ... 0800 0810 0860 1010 1460 = AR	CW	(AB-HNG)
UM04	22-3	0801	4735	Sat	VVV VVV PROMRCh = 22 03 = 1000 1040 1090 1240 1730 ... 0800 0820 0860 1010 1460 = AR	CW	(AB-HNG)
UM04	23-3	0800	4735	Sun	VVV VVV PROMRCh = 23 03 = 1000 1050 1090 1250 1740 ... 0800 0820 0870 1020 1470 = AR	CW	(AB-GRC)
UM04	24-3	0700	4735	Mon	VVV VVV PROMRCh = 31 03 = 1000 1080 1130 1280 1780 ... 0800 0850 0890 1050 1500 = AR	CW	(AB-GRC)
UM04	24-3	0800	4735	Mon	VVV VVV PROMRCh = 24 03 = 1000 1060 1100 1260 1740 ... 0800 0820 0870 1020 1470 = AR	CW	(AB-GRC)
UM04	25-3	0800	4735	Tue	VVV VVV PROMRCh = 25 03 = 1000 1060 1100 1260 1740 ... 0800 0830 0870 1030 1480 = AR	CW	(AB-GRC)
UM04	26-3	0800	4735	Wed	VVV VVV PROMRCh = 26 03 = 1000 1060 1100 1260 1760 ... 0800 0830 0880 1030 1480 = AR	CW	(AB-GRC)
UM04	27-3	0800	4735	Thu	VVV VVV PROMRCh = 27 03 = 1000 1140 1180 1340 1860 ... 0800 0850 0890 1050 1510 = AR	CW	(AB-GRC)
UM04	28-3	0800	4735	Fri	VVV VVV PROMRCh = 28 03 = 1000 1070 1120 1270 1760 ... 0800 0840 0880 1040 1500 = AR	CW	(AB-HNG)
UM04	29-3	0800	4735	Sat	VVV VVV PROMRCh = 29 03 = 1000 1080 1120 1280 1780 ... 0800 0840 0890 1050 1500 = AR	CW	(AB-HNG)
UM04	30-3	0701	4735	Sun	PROMRCh = 30 03 = 1000 1080 1120 1280 1780 ... 0800 0850 0890 1050 1500 = AR	CW	(AB-GRC)
V01	9-3	0838	6119	Sun	Chinese Air Defense aka Chinese Robot, fast version	USB	(ZC)
V07	2-3	0200	19172	Sun	112 112 112 1 1541 112 1541 112 34262 77489 51991 ... 84389 07294 92036 000 000	USB	(Dan/HFD-USA)
V07	2-3	0220	17472	Sun	112 112 112 1 1541 112 1541 112 34262 77489 51991 ... 84389 07294 92036 000 000	USB	(HFD-USA)
V07	2-3	0240	16272	Sun	112 112 112 1 1541 112 1541 112 34262 77489 51991 ... 84389 07294 92036 000 000	USB	(HFD-USA)
V07	9-3	0200	19172	Sun	112 112 112 1 9245 80 9245 80 98250 68186 36757 ... 86929 13480 08197 000 000	USB	(Dan)
V07	16-3	0200	19172	Sun	112 112 112 1 5595 104 5595 104 77418 73916 69043 ... 67861 79044 59324 000 000	USB	(Dan)
V07	23-3	0200	19172	Sun	112 112 112 1 5841 53 5841 53 03896 79633 85800 ... 55322 09129 87166 000 000	USB	(Dan)
V07	30-3	0200	17431	Sun	112 112 112 1 7338 73 7338 73 88548 55356 88925 ... 95244 83966 78029 000 000	USB	(Dan)
V13	3-3	2300	15890	Mon	New Star Broadcasting. Station 3. Messages to units 6142, 6346, 8305	USB	(FSpy)
V13	8-3	1203	13974	Sat	New Star Broadcasting. Station 3. Message to units 6142, 6346, 8305	USB	(ZC)
V13	8-3	2300	15890	Sat	New Star Broadcasting. Station 3. Messages to units 0401, 3108, 9058	USB	(FSpy)
V13	9-3	0206	8300	Sun	New Star Broadcasting. Message to units 0651, 2692, 4054	USB	(ZC)
V13	11-3	0120	20025	Tue	New Star Broadcasting. Station 4. Messages to units 0585, 8374, 9704	USB	(FSpy)
V13	11-3	0200	8169	Tue	New Star Broadcasting. Station 1. Messages to units 2547, 3332, 7290	USB	(FSpy)
V13	11-3	1500	20095	Tue	New Star Broadcasting	USB	(AB)

V13	16-3	0000	15890	Sun	New Star Broadcasting. Station 3. Messages to units 0391, 0440, 0745	USB	(FSpy)
V13	16-3	0100	20025	Sun	New Star Broadcasting. Station 4. Messages to units 1380, 5105, 6380	USB	(FSpy)
V13	16-3	0230	8169	Sun	New Star Broadcasting. Station 1. Messages to units 4273, 6009, 8086	USB	(FSpy)
V13	20-3	0230	8300	Thu	New Star Broadcasting. Station 2. Messages to units 4418, 4449, 7831	USB	(FSpy)
V13	27-3	1100	20025	Thu	New Star Broadcasting	USB	(AB)
V13	29-3	1104	20025	Sat	New Star Broadcasting. Late start	USB	(AB)
V13	31-3	0030	15890	Mon	New Star Broadcasting. Station 3. Messages to units 3039, 6603, 8309	USB	(FSpy)
V26	1-3	0009	9042	Sat	three-digit number groups, really obscure and bad transmission, lasting for 18min	USB	(ZC)
V26	1-3	0304	9042	Sat	FF18 FF18	USB	(ZC)
V26	1-3	0322	9042	Sat	three-digit number groups	USB	(ZC)
V26	9-3	0837	6352	Sun	sending numbers, obscure voice	USB	(ZC)
V26	23-3	0958	9392	Sun	i.p. 824 203 023 326 004 773 318 351 246 353 ... 319 353 418 445 938 446 486 K NN FK	USB	(ZC)
V28	11-3	2102	3044	Tue	The Parrot, traffic	AM	(HK)
VC01	7-3	1555	6885	Fri	aka Chinese robot	LSB	(ZC)
VC01	8-3	0234	6119	Sat	aka Chinese robot	USB	(ZC)
VC01	8-3	1256	6885	Sat	Chinese Air Defense aka Chinese Robot, fast version	LSB	(ZC)
VC01	22-3	2252	6619	Sat	Chinese Air Defense aka Chinese Robot	USB	(ZC)
VC01	22-3	2252	6885	Sat	Chinese Air Defense aka Chinese Robot	LSB	(ZC)
VC03	1-3	0005	9067	Sat	female operator, 250 calling 432, faulty telegram data transmission	USB	(ZC)
VC03	8-3	0232	6213	Sat	Pure number conversation	USB	(ZC)
VC03	8-3	0238	6818	Sat	Chinese voice requesting for QSY, 135 calling 838	USB	(ZC)
VC03	8-3	0312	8715	Sat	exchanging numbers telegram, saying-again groups (three-digit) in page 01 then sending page 02	USB	(ZC)
VC03	8-3	0320	8805	Sat	sending numbers telegram in Beacon K, Petropavlovsk-Kamchatsky	USB	(ZC)
VC03	8-3	0442	8946	Sat	Pure number conversation	USB	(ZC)
VC03	8-3	0446	10504	Sat	voice, then MIL-STD-188-110 App.B OFDM-39	USB	(ZC)
VC03	8-3	0449	10570	Sat	ALE, then voice	USB	(ZC)
VC03	8-3	0449	10782	Sat	conversation ending	USB	(ZC)
VC03	8-3	0510	9873	Sat	Pure Number conversation	USB	(ZC)
VC03	8-3	0511	10984	Sat	voice + MIL-STD-188-110 App.B OFDM-39	USB	(ZC)
VC03	8-3	0514	10837	Sat	voice, giving receipt 1314	USB	(ZC)
VC03	8-3	0528	6210	Sat	Keeping saying "how's the signal?"	USB	(ZC)
VC03	8-3	0906	5756	Sat	Pure number conversation + MIL-STD-118-110 OFDM-39	LSB	(ZC)
VC03	8-3	0909	5717	Sat	Calling	USB	(ZC)
VC03	8-3	1137	6780	Sat	Calling "36 36"	USB	(ZC)
VC03	8-3	1153	6287	Sat	operator requesting for QSY due to weak signal	USB	(ZC)
VC03	8-3	1155	6287	Sat	female op sending number telegram (No. 0579 groups 99, 24 0308 1952 wab9-944n)	USB	(ZC)
VC03	8-3	1223	8805	Sat	sending number telegram	USB	(ZC)
VC03	8-3	1303	7086	Sat	exchanging data telegram MIL-STD-188-110 App. B OFDM-39, conversation ending	USB	(ZC)
VC03	8-3	1306	7765	Sat	radio check then sending data telegram, MIL-STD-188-110 App. B OFDM-39	USB	(ZC)

VC03	9-3	1024	5463	Sun	Chinese Air Defense. They use alphanumeric callsigns. 9489 calls 94D9 and 94Q9 and sends 4fg telegram to each	USB	(ZC)
VC03	23-3	1052	5749	Sun	Chinese Air Defense 4fg groups	USB	(ZC)
X--	17-3	0843	18569	Mon	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	17-3	0847	16274	Mon	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	17-3	0848	19083	Mon	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	17-3	0856	15674	Mon	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	17-3	0859	13837	Mon	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	18-3	1220	20836	Tue	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	18-3	1236	13416	Tue	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	18-3	1400	18237	Tue	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	18-3	1403	17443	Tue	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	18-3	1407	15937	Tue	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	18-3	1410	14383	Tue	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	18-3	1414	13397	Tue	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	18-3	1514	12889	Tue	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	20-3	1330	19457	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	20-3	1334	18648	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	20-3	1337	17423	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	20-3	1341	16172	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	20-3	1549	18648	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	20-3	1554	17423	Thu	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	21-3	0628	15834	Fri	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	21-3	0634	14376	Fri	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-3	0741	19258	Mon	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-3	0744	17526	Mon	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-3	0748	15626	Mon	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	24-3	0905	13394	Mon	Russian intel.	MFSK-21/MFSK-13	(AB)
X--	28-3	0714	13891	Fri	Russian intel.	MFSK-13/MFSK-21	(AB)
X--	28-3	0810	13891	Fri	Russian intel.	MFSK-13/MFSK-21	(AB)
X--	28-3	1009	18541	Fri	Russian intel.	MFSK-13/MFSK-21	(AB)
X--	28-3	1013	17524	Fri	Russian intel.	MFSK-13/MFSK-21	(AB)
X--	28-3	1405	19813	Fri	Russian intel.	MFSK-13/MFSK-21	(AB)
X--	28-3	1406	18541	Fri	Russian intel.	MFSK-13/MFSK-21	(AB)
X--	28-3	1410	17524	Fri	Russian intel.	MFSK-13/MFSK-21	(AB)
X--	28-3	1413	13891	Fri	Russian intel.	MFSK-13/MFSK-21	(AB)
X--	28-3	1458	19813	Fri	Russian intel.	MFSK-13/MFSK-21	(AB)
X--	28-3	1500	18541	Fri	Russian intel.	MFSK-13/MFSK-21	(AB)
X--	28-3	1506	17524	Fri	Russian intel.	MFSK-13/MFSK-21	(AB)
X--	28-3	1510	13891	Fri	Russian intel.	MFSK-13/MFSK-21	(AB)
X06	3-3	0847	17523	Mon	MFA Moscow clg 542136: Russian embassy Beijing	MFSK-6	(AB/RO)

X06	4-3	0856	18527	Tue	MFA Moscow clg 325614: Russian embassy Nairobi	MFSK-6	(RO)
X06	4-3	0932	13401	Tue	MFA Moscow clg 154263: Russian embassy Rome	MFSK-6	(Moon)
X06	5-3	0923	17445	Wed	MFA Moscow clg 362154: Russian embassy Athens	MFSK-6	(RO)
X06	5-3	1556	14501	Wed	MFA Moscow clg: 214356 Russian embassy Amman	MFSK-6	(EW)
X06	6-3	0754	17534	Thu	MFA Moscow clg 351264: Russian embassy Abu Dhabi	MFSK-6	(AB/Moon)
X06	6-3	0812	12219	Thu	MFA Moscow clg 162543: Russian embassy Nicosia	MFSK-6	(AB/Moon)
X06	6-3	1607	16277	Thu	MFA Moscow clg 436512: Russian embassy Harare	MFSK-6	(T101)
X06	7-3	0917	13556	Fri	MFA Moscow clg 324615: Russian embassy Madrid	MFSK-6	(RO)
X06	7-3	1013	13547	Fri	MFA Moscow clg 625413: Russian embassy Tel Aviv	MFSK-6	(RO)
X06	7-3	1315	16320	Fri	MFA Moscow clg 241563: Russian Consulate General Karachi	MFSK-6	(AB)
X06	7-3	1316	16320	Fri	MFA Moscow clg 241563: Russian embassy Karachi	MFSK-6	(Rycat)
X06	10-3	0822	17475	Mon	MFA Moscow clg 156234: Russian embassy Kampala	MFSK-6	(RO)
X06	10-3	0927	19235	Mon	MFA Moscow clg 463125: Russian embassy Rabat	MFSK-6	(AB/RO)
X06	11-3	1035	20813	Tue	MFA Moscow clg 216354: Russian Consulate General Chennai	MFSK-6	(Moon)
X06	12-3	0842	11483	Wed	MFA Moscow clg 412356: Russian embassy Budapest	MFSK-6	(AB/RO)
X06	13-3	0815	16153	Thu	MFA Moscow clg 1536244: Russian embassy Damascus	MFSK-6	(RO)
X06	17-3	0836	14377	Mon	MFA Moscow clg 432516: Russian embassy Bern	MFSK-6	(AB/Moon)
X06	17-3	0905	13395	Mon	MFA Moscow clg 532614 Russian embassy Paris	MFSK-6	(AB/RO)
X06	19-3	0750	15819	Wed	MFA Moscow clg 256341: Russian embassy Beirut	MFSK-6	(RO)
X06	19-3	1109	14650	Wed	MFA Moscow clg 215346: Russian Consulate General Mumbai	MFSK-6	(RO)
X06	19-3	1115	16115	Wed	MFA Moscow clg 215346: Russian Consulate General Mumbai	MFSK-6	(RO)
X06	19-3	1249	15676	Wed	MFA Moscow clg 231654: Russian embassy Abuja	MFSK-6	(Rycat)
X06	19-3	1608	12186	Wed	MFA Moscow clg 214356: Russian embassy Amman	MFSK-6	(RO)
X06	20-3	0915	16103	Thu	MFA Moscow clg 645321: Russian Consulate General Ho Chi Minh City	MFSK-6	(AB/RO)
X06	20-3	1402	18575	Thu	MFA Moscow clg 352416: Russian embassy Dar es Salaam	MFSK-6	(AB/RO)
X06	20-3	1514	15866	Thu	MFA Moscow clg 436512: Russian embassy Harare	MFSK-6	(AB)
X06	20-3	1520	17468	Thu	MFA Moscow clg 436512: Russian embassy Harare	MFSK-6	(AB)
X06	21-3	0832	13954	Fri	MFA Moscow clg 213546: Russian embassy Islamabad	MFSK-6	(RO)
X06	21-3	1027	14824	Fri	MFA Moscow clg 625413: Russian embassy Tel Aviv	MFSK-6	(RO)
X06	23-3	0835	15710	Sun	MFA Moscow clg 261453: Russian embassy Cairo	MFSK-6	(RO)
X06	23-3	1021	15810	Sun	MFA Moscow clg 145632: Russian embassy Algiers	MFSK-6	(RO)
X06	24-3	0849	17475	Mon	MFA Moscow clg 156234: Russian embassy Kampala	MFSK-6	(AB/RO)
X06	24-3	0923	16117	Mon	MFA Moscow clg 463125: Russian embassy Rabat	MFSK-6	(AB/RO)
X06	25-3	0807	13420	Tue	MFA Moscow clg 534216: Russian embassy Baghdad	MFSK-6	(Moon)
X06	27-3	0747	14419	Thu	MFA Moscow clg 521634: Russian embassy Bucharest	MFSK-6	(AB/Moon)
X06	28-3	0936	12177	Fri	MFA Moscow clg 356412: Russian embassy Berlin	MFSK-6	(AB/Moon)
X06	28-3	0955	20605	Fri	MFA Moscow clg 256134: Russian embassy Abidjan	MFSK-6	(Moon)
X06	28-3	1416	17463	Fri	MFA Moscow clg 256134: Russian embassy Abidjan	MFSK-6	(AB/HFD)
XPA1	5-3	1310	14451	Wed	441 441 441 1 00792 00153 92773 ... 94264 53672 40564	MFSK-20/10Bd	(AB/HFD)
XPA1	5-3	1330	13451	Wed	441 441 441 1 00792 00153 92773 ... 94264 53672 40564	MFSK-20/10Bd	(AB/HFD)
XPA1	5-3	1350	12151	Wed	441 441 441 1 00792 00153 92773 ... 94264 53672 40564	MFSK-20/10Bd	(AB)

XPA1	7-3	1310	14451	Fri	441 441 441 1 00792 00153 92773 ... 94264 53672 40564	MFSK-20/10Bd	(AB)
XPA1	7-3	1330	13451	Fri	441 441 441 1 00792 00153 92773 ... 94264 53672 40564	MFSK-20/10Bd	(AB)
XPA1	7-3	1350	12151	Fri	441 441 441 1 00792 00153 92773 ... 94264 53672 40564	MFSK-20/10Bd	(AB)
XPA1	12-3	1310	14451	Wed	441 441 441 000 08974 00001 00000 37667	MFSK-20/10Bd	(AB)
XPA1	12-3	1330	13451	Wed	441 441 441 000 08974 00001 00000 37667	MFSK-20/10Bd	(AB)
XPA1	12-3	1350	12151	Wed	441 441 441 000 08974 00001 00000 37667	MFSK-20/10Bd	(AB)
XPA1	14-3	1310	14451	Fri	441 441 441 000 09671 00001 00000 34670	MFSK-20/10Bd	(AB)
XPA1	14-3	1330	13451	Fri	441 441 441 000 09671 00001 00000 34670	MFSK-20/10Bd	(AB)
XPA1	14-3	1350	12151	Fri	441 441 441 000 09671 00001 00000 34670	MFSK-20/10Bd	(AB)
XPA1	19-3	1310	14451	Wed	441 441 441 000 07527 00001 00000 37261	MFSK-20/10Bd	(AB)
XPA1	19-3	1330	13451	Wed	441 441 441 000 07527 00001 00000 37261	MFSK-20/10Bd	(AB)
XPA1	19-3	1350	12151	Wed	441 441 441 000 07527 00001 00000 37261	MFSK-20/10Bd	(AB)
XPA1	21-3	1310	14451	Fri	441 441 441 000 05600 00001 00000 34255	MFSK-20/10Bd	(AB)
XPA1	21-3	1330	13451	Fri	441 441 441 000 05600 00001 00000 34255	MFSK-20/10Bd	(AB)
XPA1	21-3	1350	12151	Fri	441 441 441 000 05600 00001 00000 34255	MFSK-20/10Bd	(AB)
XPA1	26-3	1310	14451	Wed	441 441 441 000 05711 00001 00000 35256	MFSK-20/10Bd	(AB)
XPA1	26-3	1330	13451	Wed	441 441 441 000 05711 00001 00000 35256	MFSK-20/10Bd	(AB)
XPA1	26-3	1350	12151	Wed	441 441 441 000 05711 00001 00000 35256	MFSK-20/10Bd	(AB)
XPA1	28-3	1310	14451	Fri	441 441 441 000 03577 00001 00000 37262	MFSK-20/10Bd	(AB)
XPA1	28-3	1330	13451	Fri	441 441 441 000 03577 00001 00000 37262	MFSK-20/10Bd	(AB)
XPA1	28-3	1350	12151	Fri	441 441 441 000 03577 00001 00000 37262	MFSK-20/10Bd	(AB)
XPA2	1-3	0910	16261	Sat	00507 00112 30569... 16584 55320 44606	MFSK-16/20Bd	(AB/HFD)
XPA2	1-3	0930	15961	Sat	00507 00112 30569... 16584 55320 44606	MFSK-16/20Bd	(AB/HFD)
XPA2	1-3	0950	14861	Sat	00507 00112 30569... 16584 55320 44606	MFSK-16/20Bd	(AB/HFD)
XPA2	1-3	1600	12163	Sat	00469 00140 09640 ... 80753 71939 27720	MFSK-16/20Bd	(AB/HFD)
XPA2	1-3	1620	10863	Sat	00469 00140 09640 ... 80753 71939 27720	MFSK-16/20Bd	(AB/HFD)
XPA2	1-3	1640	9363	Sat	00469 00140 09640 ... 80753 71939 27720	MFSK-16/20Bd	(AB/HFD)
XPA2	3-3	0800	13931	Mon	08140 00001 00000 31654	MFSK-16/20Bd	(AB/HFD)
XPA2	3-3	0820	14831	Mon	08140 00001 00000 31654	MFSK-16/20Bd	(AB/HFD)
XPA2	3-3	0840	16131	Mon	08140 00001 00000 31654	MFSK-16/20Bd	(AB/HFD)
XPA2	3-3	0910	18333	Mon	01715 00180 26982 ... 83501 07552 57214	MFSK-16/20Bd	(AB/HFD)
XPA2	3-3	0930	16345	Mon	01715 00180 26982 ... 83501 07552 57214	MFSK-16/20Bd	(AB/HFD)
XPA2	3-3	0950	14838	Mon	01715 00180 26982 ... 83501 07552 57214	MFSK-16/20Bd	(AB/HFD)
XPA2	3-3	1600	12163	Mon	9376 00001 00000 35670	MFSK-16/20Bd	(AB)
XPA2	3-3	1620	10863	Mon	9376 00001 00000 35670	MFSK-16/20Bd	(AB)
XPA2	3-3	1640	9363	Mon	9376 00001 00000 35670	MFSK-16/20Bd	(AB)
XPA2	4-3	1100	14639	Tue	00718 00200 48887 ... 71006 97083 16475	MFSK-16/20Bd	(AB)
XPA2	4-3	1120	13539	Tue	00718 00200 48887 ... 71006 97083 16475	MFSK-16/20Bd	(AB)
XPA2	4-3	1140	12139	Tue	00718 00200 48887 ... 71006 97083 16475	MFSK-16/20Bd	(AB/HFD)
XPA2	4-3	1600	13994	Tue	08078 00001 00000 35267	MFSK-16/20Bd	(AB/HFD)
XPA2	4-3	1620	13494	Tue	08078 00001 00000 35267	MFSK-16/20Bd	(AB/HFD)

XPA2	4-3	1640	12194	Tue	08078 00001 00000 35267	MFSK-16/20Bd	(AB)
XPA2	5-3	0800	13931	Wed	09558 00001 00000 37666	MFSK-16/20Bd	(AB)
XPA2	5-3	0820	14831	Wed	09558 00001 00000 37666	MFSK-16/20Bd	(AB)
XPA2	5-3	0840	16131	Wed	09558 00001 00000 37666	MFSK-16/20Bd	(AB)
XPA2	5-3	0910	18333	Wed	01715 00180 26982 ... 83501 07552 57214	MFSK-16/20Bd	(AB)
XPA2	5-3	0930	16345	Wed	01715 00180 26982 ... 83501 07552 57214	MFSK-16/20Bd	(AB)
XPA2	5-3	0950	14838	Wed	01715 00180 26982 ... 83501 07552 57214	MFSK-16/20Bd	(AB)
XPA2	5-3	1100	15861	Wed	00188 00190 04408 ... 62418 58695 73251	MFSK-16/20Bd	(AB/HFD)
XPA2	5-3	1120	14431	Wed	00188 00190 04408 ... 62418 58695 73251	MFSK-16/20Bd	(AB/HFD)
XPA2	5-3	1140	13431	Wed	00188 00190 04408 ... 62418 58695 73251	MFSK-16/20Bd	(AB/HFD)
XPA2	5-3	1200	14956	Wed	00799 00112 24771 ... 27232 87569 53237	MFSK-16/20Bd	(AB/HFD)
XPA2	5-3	1220	16356	Wed	00799 00112 24771 ... 27232 87569 53237	MFSK-16/20Bd	(AB/HFD)
XPA2	5-3	1240	17456	Wed	00799 00112 24771 ... 27232 87569 53237	MFSK-16/20Bd	(AB/HFD)
XPA2	6-3	0910	16261	Thu	09057 00001 00000 34666	MFSK-16/20Bd	(AB)
XPA2	6-3	0930	15961	Thu	09057 00001 00000 34666	MFSK-16/20Bd	(AB)
XPA2	6-3	0950	14861	Thu	09057 00001 00000 34666	MFSK-16/20Bd	(AB)
XPA2	6-3	1100	15861	Thu	00188 00190 04408 ... 62418 58695 73251	MFSK-16/20Bd	(AB)
XPA2	6-3	1120	14431	Thu	00188 00190 04408 ... 62418 58695 73251	MFSK-16/20Bd	(AB)
XPA2	6-3	1140	13431	Thu	00188 00190 04408 ... 62418 58695 73251	MFSK-16/20Bd	(AB)
XPA2	6-3	1600	13994	Thu	04749 00001 00000 41260	MFSK-16/20Bd	(AB)
XPA2	6-3	1620	13494	Thu	04749 00001 00000 41260	MFSK-16/20Bd	(AB)
XPA2	6-3	1640	12194	Thu	04749 00001 00000 41260	MFSK-16/20Bd	(AB)
XPA2	7-3	1100	14639	Fri	00718 00200 48887 ... 71006 97083 16475	MFSK-16/20Bd	(AB/HFD)
XPA2	7-3	1120	13539	Fri	00718 00200 48887 ... 71006 97083 16475	MFSK-16/20Bd	(AB/HFD)
XPA2	7-3	1140	12139	Fri	00718 00200 48887 ... 71006 97083 16475	MFSK-16/20Bd	(AB/HFD)
XPA2	7-3	1200	14956	Fri	00799 00112 24771 ... 27232 87569 53237	MFSK-16/20Bd	(AB)
XPA2	7-3	1220	16356	Fri	00799 00112 24771 ... 27232 87569 53237	MFSK-16/20Bd	(AB)
XPA2	7-3	1240	17456	Fri	00799 00112 24771 ... 27232 87569 53237	MFSK-16/20Bd	(AB)
XPA2	8-3	0910	16261	Sat	05901 00001 00000 36255	MFSK-16/20Bd	(AB)
XPA2	8-3	0930	15961	Sat	05901 00001 00000 36255	MFSK-16/20Bd	(AB)
XPA2	8-3	0950	14861	Sat	05901 00001 00000 36255	MFSK-16/20Bd	(AB)
XPA2	8-3	1600	12163	Sat	09779 00001 00000 41270	MFSK-16/20Bd	(AB)
XPA2	8-3	1620	10863	Sat	09779 00001 00000 41270	MFSK-16/20Bd	(AB)
XPA2	8-3	1640	9363	Sat	09779 00001 00000 41270	MFSK-16/20Bd	(AB)
XPA2	10-3	0800	13931	Mon	05669 00172 62301 ... 18187 51308 00654	MFSK-16/20Bd	(AB)
XPA2	10-3	0820	14831	Mon	05669 00172 62301 ... 18187 51308 00654	MFSK-16/20Bd	(AB)
XPA2	10-3	0840	16131	Mon	05669 00172 62301 ... 18187 51308 00654	MFSK-16/20Bd	(AB)
XPA2	10-3	0910	18333	Mon	03660 00001 00000 34661	MFSK-16/20Bd	(AB)
XPA2	10-3	0930	16345	Mon	03660 00001 00000 34661	MFSK-16/20Bd	(AB)
XPA2	10-3	0950	14838	Mon	03660 00001 00000 34661	MFSK-16/20Bd	(AB)
XPA2	10-3	1600	12163	Mon	00602 00128 02945 ... 83454 81821 07744	MFSK-16/20Bd	(AB)

XPA2	10-3	1620	10863	Mon	00602 00128 02945 ... 83454 81821 07744	MFSK-16/20Bd	(AB)
XPA2	10-3	1640	9363	Mon	00602 00128 02945 ... 83454 81821 07744	MFSK-16/20Bd	(AB)
XPA2	11-3	1100	14639	Tue	00718 00200 48887 ... 71006 97083 16475	MFSK-16/20Bd	(AB)
XPA2	11-3	1120	13539	Tue	00718 00200 48887 ... 71006 97083 16475	MFSK-16/20Bd	(AB)
XPA2	11-3	1140	12139	Tue	00718 00200 48887 ... 71006 97083 16475	MFSK-16/20Bd	(AB)
XPA2	11-3	1600	13994	Tue	08016 00183 40310 ... 36386 32371 24471	MFSK-16/20Bd	(AB)
XPA2	11-3	1620	13494	Tue	08016 00183 40310 ... 36386 32371 24471	MFSK-16/20Bd	(AB)
XPA2	11-3	1640	12194	Tue	08016 00183 40310 ... 36386 32371 24471	MFSK-16/20Bd	(AB)
XPA2	12-3	0800	13931	Wed	05669 00172 62301 ... 18187 51308 00654	MFSK-16/20Bd	(AB)
XPA2	12-3	0820	14831	Wed	05669 00172 62301 ... 18187 51308 00654	MFSK-16/20Bd	(AB)
XPA2	12-3	0840	16131	Wed	05669 00172 62301 ... 18187 51308 00654	MFSK-16/20Bd	(AB)
XPA2	12-3	0910	18333	Wed	02834 00001 00000 37255	MFSK-16/20Bd	(AB)
XPA2	12-3	0930	16345	Wed	02834 00001 00000 37255	MFSK-16/20Bd	(AB)
XPA2	12-3	0950	14838	Wed	02834 00001 00000 37255	MFSK-16/20Bd	(AB)
XPA2	12-3	1100	15861	Wed	00188 00190 04408 ... 62418 58695 73251	MFSK-16/20Bd	(AB)
XPA2	12-3	1120	14431	Wed	00188 00190 04408 ... 62418 58695 73251	MFSK-16/20Bd	(AB)
XPA2	12-3	1140	13431	Wed	00188 00190 04408 ... 62418 58695 73251	MFSK-16/20Bd	(AB)
XPA2	12-3	1200	14956	Wed	00617 00095 72171 ... 59381 08408 26746	MFSK-16/20Bd	(AB)
XPA2	12-3	1220	16356	Wed	00617 00095 72171 ... 59381 08408 26746	MFSK-16/20Bd	(AB)
XPA2	12-3	1240	17456	Wed	00617 00095 72171 ... 59381 08408 26746	MFSK-16/20Bd	(AB)
XPA2	13-3	0910	16261	Thu	05128 00180 85530 ... 03433 87194 45536	MFSK-16/20Bd	(AB)
XPA2	13-3	0930	15961	Thu	05128 00180 85530 ... 03433 87194 45536	MFSK-16/20Bd	(AB)
XPA2	13-3	0950	14861	Thu	05128 00180 85530 ... 03433 87194 45536	MFSK-16/20Bd	(AB)
XPA2	13-3	1100	15861	Thu	00188 00190 04408 ... 62418 58695 73251	MFSK-16/20Bd	(AB)
XPA2	13-3	1120	14431	Thu	00188 00190 04408 ... 62418 58695 73251	MFSK-16/20Bd	(AB)
XPA2	13-3	1140	13431	Thu	00188 00190 04408 ... 62418 58695 73251	MFSK-16/20Bd	(AB)
XPA2	13-3	1600	13994	Thu	08016 00183 40310 ... 36386 32371 24471	MFSK-16/20Bd	(AB)
XPA2	13-3	1620	13494	Thu	08016 00183 40310 ... 36386 32371 24471	MFSK-16/20Bd	(AB)
XPA2	13-3	1640	12194	Thu	08016 00183 40310 ... 36386 32371 24471	MFSK-16/20Bd	(AB)
XPA2	14-3	1100	14639	Fri	00718 00200 48887 ... 71006 97083 16475	MFSK-16/20Bd	(AB)
XPA2	14-3	1120	13539	Fri	00718 00200 48887 ... 71006 97083 16475	MFSK-16/20Bd	(AB)
XPA2	14-3	1140	12139	Fri	00718 00200 48887 ... 71006 97083 16475	MFSK-16/20Bd	(AB)
XPA2	14-3	1200	14956	Fri	00617 00095 72171 ... 59381 08408 26746	MFSK-16/20Bd	(AB)
XPA2	14-3	1220	16356	Fri	00617 00095 72171 ... 59381 08408 26746	MFSK-16/20Bd	(AB)
XPA2	14-3	1240	17456	Fri	00617 00095 72171 ... 59381 08408 26746	MFSK-16/20Bd	(AB)
XPA2	15-3	0910	16261	Sat	05128 00180 85530 ... 03433 87194 45536	MFSK-16/20Bd	(AB)
XPA2	15-3	0930	15961	Sat	05128 00180 85530 ... 03433 87194 45536	MFSK-16/20Bd	(AB)
XPA2	15-3	0950	14861	Sat	05128 00180 85530 ... 03433 87194 45536	MFSK-16/20Bd	(AB)
XPA2	15-3	1600	12163	Sat	00602 00128 02945 ... 83454 81821 07744	MFSK-16/20Bd	(AB)
XPA2	15-3	1620	10863	Sat	00602 00128 02945 ... 83454 81821 07744	MFSK-16/20Bd	(AB)
XPA2	15-3	1640	9363	Sat	00602 00128 02945 ... 83454 81821 07744	MFSK-16/20Bd	(AB)

XPA2	17-3	0800	13931	Mon	05669 00172 62301 ... 18187 51308 00654	MFSK-16/20Bd	(AB)
XPA2	17-3	0820	14831	Mon	05669 00172 62301 ... 18187 51308 00654	MFSK-16/20Bd	(AB)
XPA2	17-3	0840	16131	Mon	05669 00172 62301 ... 18187 51308 00654	MFSK-16/20Bd	(AB)
XPA2	17-3	0910	18333	Mon	05297 00069 90056 ... 84082 02813 30053	MFSK-16/20Bd	(AB)
XPA2	17-3	0930	16345	Mon	05297 00069 90056 ... 84082 02813 30053	MFSK-16/20Bd	(AB)
XPA2	17-3	0950	14838	Mon	05297 00069 90056 ... 84082 02813 30053	MFSK-16/20Bd	(AB)
XPA2	17-3	1600	12163	Mon	05082 00001 00000 32265	MFSK-16/20Bd	(AB)
XPA2	17-3	1620	10863	Mon	05082 00001 00000 32265	MFSK-16/20Bd	(AB)
XPA2	17-3	1640	9363	Mon	05082 00001 00000 32265	MFSK-16/20Bd	(AB)
XPA2	18-3	1100	14639	Tue	06296 00001 00000 35267	MFSK-16/20Bd	(AB)
XPA2	18-3	1120	13539	Tue	06296 00001 00000 35267	MFSK-16/20Bd	(AB)
XPA2	18-3	1140	12139	Tue	06296 00001 00000 35267	MFSK-16/20Bd	(AB)
XPA2	18-3	1600	13994	Tue	09576 00001 00000 36670	MFSK-16/20Bd	(AB)
XPA2	18-3	1620	13494	Tue	09576 00001 00000 36670	MFSK-16/20Bd	(AB)
XPA2	18-3	1640	12194	Tue	09576 00001 00000 36670	MFSK-16/20Bd	(AB)
XPA2	19-3	0800	13931	Wed	05669 00172 62301 ... 18187 51308 00654	MFSK-16/20Bd	(AB)
XPA2	19-3	0820	14831	Wed	05669 00172 62301 ... 18187 51308 00654	MFSK-16/20Bd	(AB)
XPA2	19-3	0840	16131	Wed	05669 00172 62301 ... 18187 51308 00654	MFSK-16/20Bd	(AB)
XPA2	19-3	0910	18333	Wed	05297 00069 90056 ... 84082 02813 30053	MFSK-16/20Bd	(AB)
XPA2	19-3	0930	16345	Wed	05297 00069 90056 ... 84082 02813 30053	MFSK-16/20Bd	(AB)
XPA2	19-3	0950	14838	Wed	05297 00069 90056 ... 84082 02813 30053	MFSK-16/20Bd	(AB)
XPA2	19-3	1100	15861	Wed	07446 00001 00000 36263	MFSK-16/20Bd	(AB)
XPA2	19-3	1120	14431	Wed	07446 00001 00000 36263	MFSK-16/20Bd	(AB)
XPA2	19-3	1140	13431	Wed	07446 00001 00000 36263	MFSK-16/20Bd	(AB)
XPA2	19-3	1200	14956	Wed	00735 00120 54221 ... 50357 77126 35244	MFSK-16/20Bd	(AB)
XPA2	19-3	1220	16356	Wed	00735 00120 54221 ... 50357 77126 35244	MFSK-16/20Bd	(AB)
XPA2	19-3	1240	17456	Wed	00735 00120 54221 ... 50357 77126 35244	MFSK-16/20Bd	(AB)
XPA2	20-3	0910	16261	Thu	06667 00001 00000 37664	MFSK-16/20Bd	(AB)
XPA2	20-3	0930	15961	Thu	06667 00001 00000 37664	MFSK-16/20Bd	(AB)
XPA2	20-3	0950	14861	Thu	06667 00001 00000 37664	MFSK-16/20Bd	(AB)
XPA2	20-3	1100	15861	Thu	06176 00001 00000 34665	MFSK-16/20Bd	(AB)
XPA2	20-3	1120	14431	Thu	06176 00001 00000 34665	MFSK-16/20Bd	(AB)
XPA2	20-3	1140	13431	Thu	06176 00001 00000 34665	MFSK-16/20Bd	(AB)
XPA2	20-3	1600	13994	Thu	No transmission	MFSK-16/20Bd	(AB)
XPA2	20-3	1620	13494	Thu	No transmission	MFSK-16/20Bd	(AB)
XPA2	20-3	1640	12194	Thu	No transmission	MFSK-16/20Bd	(AB)
XPA2	20-3	1700	17464	Thu	Null message	MFSK-16/20Bd	(FD)
XPA2	20-3	1720	16203	Thu	Null message	MFSK-16/20Bd	(FD)
XPA2	20-3	1740	13931	Thu	Null message	MFSK-16/20Bd	(FD)
XPA2	21-3	1100	14639	Fri	02306 00001 00000 35652	MFSK-16/20Bd	(AB)
XPA2	21-3	1120	13539	Fri	02306 00001 00000 35652	MFSK-16/20Bd	(AB)

XPA2	21-3	1140	12139	Fri	02306 00001 00000 35652	MFSK-16/20Bd	(AB)
XPA2	21-3	1200	14956	Fri	00735 00120 54221 ... 50357 77126 35244	MFSK-16/20Bd	(AB)
XPA2	21-3	1220	16356	Fri	00735 00120 54221 ... 50357 77126 35244	MFSK-16/20Bd	(AB)
XPA2	21-3	1240	17456	Fri	00735 00120 54221 ... 50357 77126 35244	MFSK-16/20Bd	(AB)
XPA2	22-3	0910	16261	Sat	06889 00001 00000 41666	MFSK-16/20Bd	(AB)
XPA2	22-3	0930	15961	Sat	06889 00001 00000 41666	MFSK-16/20Bd	(AB)
XPA2	22-3	0950	14861	Sat	06889 00001 00000 41666	MFSK-16/20Bd	(AB)
XPA2	22-3	1600	12163	Sat	03494 00001 00000 35264	MFSK-16/20Bd	(AB)
XPA2	22-3	1620	10863	Sat	03494 00001 00000 35264	MFSK-16/20Bd	(AB)
XPA2	22-3	1640	9363	Sat	03494 00001 00000 35264	MFSK-16/20Bd	(AB)
XPA2	24-3	0800	13931	Mon	02290 00001 00000 22254	MFSK-16/20Bd	(AB)
XPA2	24-3	0820	14831	Mon	02290 00001 00000 22254	MFSK-16/20Bd	(AB)
XPA2	24-3	0840	16131	Mon	02290 00001 00000 22254	MFSK-16/20Bd	(AB)
XPA2	24-3	0910	18333	Mon	05297 00069 90056 ... 84082 02813 30053	MFSK-16/20Bd	(AB)
XPA2	24-3	0930	16345	Mon	05297 00069 90056 ... 84082 02813 30053	MFSK-16/20Bd	(AB)
XPA2	24-3	0950	14838	Mon	05297 00069 90056 ... 84082 02813 30053	MFSK-16/20Bd	(AB)
XPA2	24-3	1600	12163	Mon	00240 00089 88713 ... 25957 49182 35230	MFSK-16/20Bd	(AB)
XPA2	24-3	1620	10863	Mon	00240 00089 88713 ... 25957 49182 35230	MFSK-16/20Bd	(AB)
XPA2	24-3	1640	9363	Mon	00240 00089 88713 ... 25957 49182 35230	MFSK-16/20Bd	(AB)
XPA2	25-3	1100	14639	Tue	05389 00073 00989 ... 12976 76153 44527	MFSK-16/20Bd	(AB)
XPA2	25-3	1120	13539	Tue	05389 00073 00989 ... 12976 76153 44527	MFSK-16/20Bd	(AB)
XPA2	25-3	1140	12139	Tue	05389 00073 00989 ... 12976 76153 44527	MFSK-16/20Bd	(AB)
XPA2	25-3	1700	17464	Tue	06768 00097 37232 ... 20095 62714 43703	MFSK-16/20Bd	(PY)
XPA2	25-3	1720	16203	Tue	06768 00097 37232 ... 20095 62714 43703	MFSK-16/20Bd	(PY)
XPA2	25-3	1740	13931	Tue	06768 00097 37232 ... 20095 62714 43703	MFSK-16/20Bd	(PY)
XPA2	26-3	0800	13931	Wed	03714 00001 00000 36654	MFSK-16/20Bd	(AB)
XPA2	26-3	0820	14831	Wed	03714 00001 00000 36654	MFSK-16/20Bd	(AB)
XPA2	26-3	0840	16131	Wed	03714 00001 00000 36654	MFSK-16/20Bd	(AB)
XPA2	26-3	0910	18333	Wed	05297 00069 90056 ... 84082 02813 30053	MFSK-16/20Bd	(AB)
XPA2	26-3	0930	16345	Wed	05297 00069 90056 ... 84082 02813 30053	MFSK-16/20Bd	(AB)
XPA2	26-3	0950	14838	Wed	05297 00069 90056 ... 84082 02813 30053	MFSK-16/20Bd	(AB)
XPA2	26-3	1100	15861	Wed	04733 00001 00000 36257	MFSK-16/20Bd	(AB)
XPA2	26-3	1120	14431	Wed	04733 00001 00000 36257	MFSK-16/20Bd	(AB)
XPA2	26-3	1140	13431	Wed	04733 00001 00000 36257	MFSK-16/20Bd	(AB)
XPA2	26-3	1200	14956	Wed	01869 00145 76809 ... 28280 56983 73630	MFSK-16/20Bd	(AB)
XPA2	26-3	1220	16356	Wed	01869 00145 76809 ... 28280 56983 73630	MFSK-16/20Bd	(AB)
XPA2	26-3	1240	17456	Wed	01869 00145 76809 ... 28280 56983 73630	MFSK-16/20Bd	(AB)
XPA2	27-3	0910	16261	Thu	00434 00068 66067 ... 46397 26033 00372	MFSK-16/20Bd	(AB)
XPA2	27-3	0930	15961	Thu	00434 00068 66067 ... 46397 26033 00372	MFSK-16/20Bd	(AB)
XPA2	27-3	0950	14861	Thu	00434 00068 66067 ... 46397 26033 00372	MFSK-16/20Bd	(AB)
XPA2	27-3	1100	15861	Thu	04647 00001 00000 37660	MFSK-16/20Bd	(AB)

XPA2	27-3	1120	14431	Thu	04647 00001 00000 37660	MFSK-16/20Bd	(AB)
XPA2	27-3	1140	13431	Thu	04647 00001 00000 37660	MFSK-16/20Bd	(AB)
XPA2	27-3	1700	17464	Thu	06768 00097 37232 ... 20095 62714 43703	MFSK-16/20Bd	(PY)
XPA2	27-3	1720	16203	Thu	06768 00097 37232 ... 20095 62714 43703	MFSK-16/20Bd	(PY)
XPA2	27-3	1740	13931	Thu	06768 00097 37232 ... 20095 62714 43703	MFSK-16/20Bd	(PY)
XPA2	28-3	1100	14639	Fri	05389 00073 00989 ... 12976 76153 44527	MFSK-16/20Bd	(AB)
XPA2	28-3	1120	13539	Fri	05389 00073 00989 ... 12976 76153 44527	MFSK-16/20Bd	(AB)
XPA2	28-3	1140	12139	Fri	05389 00073 00989 ... 12976 76153 44527	MFSK-16/20Bd	(AB)
XPA2	28-3	1200	14956	Fri	01869 00145 76809 ... 28280 56983 73630	MFSK-16/20Bd	(AB)
XPA2	28-3	1220	16356	Fri	01869 00145 76809 ... 28280 56983 73630	MFSK-16/20Bd	(AB)
XPA2	28-3	1240	17456	Fri	01869 00145 76809 ... 28280 56983 73630	MFSK-16/20Bd	(AB)
XPA2	29-3	0910	16261	Sat	00434 00068 66067 ... 46397 26033 00372	MFSK-16/20Bd	(AB)
XPA2	29-3	0930	15961	Sat	00434 00068 66067 ... 46397 26033 00372	MFSK-16/20Bd	(AB)
XPA2	29-3	0950	14861	Sat	00434 00068 66067 ... 46397 26033 00372	MFSK-16/20Bd	(AB)
XPA2	29-3	1600	12163	Sat	00240 00089 88713 ... 25957 49182 35230	MFSK-16/20Bd	(AB)
XPA2	29-3	1620	10863	Sat	00240 00089 88713 ... 25957 49182 35230	MFSK-16/20Bd	(AB)
XPA2	29-3	1640	9363	Sat	00240 00089 88713 ... 25957 49182 35230	MFSK-16/20Bd	(AB)
XPA2	31-3	0800	13931	Mon	09602 00001 00000 35261	MFSK-16/20Bd	(AB)
XPA2	31-3	0820	14831	Mon	09602 00001 00000 35261	MFSK-16/20Bd	(AB)
XPA2	31-3	0840	16131	Mon	09602 00001 00000 35261	MFSK-16/20Bd	(AB)
XPA2	31-3	0910	18333	Mon	06209 00001 00000 36656	MFSK-16/20Bd	(AB)
XPA2	31-3	0930	16345	Mon	06209 00001 00000 36656	MFSK-16/20Bd	(AB)
XPA2	31-3	0950	14838	Mon	06209 00001 00000 36656	MFSK-16/20Bd	(AB)
XPA2	31-3	1600	12163	Mon	06186 00001 00000 34666	MFSK-16/20Bd	(AB)
XPA2	31-3	1620	10863	Mon	06186 00001 00000 34666	MFSK-16/20Bd	(AB)
XPA2	31-3	1640	9363	Mon	06186 00001 00000 34666	MFSK-16/20Bd	(AB)
XPB1	1-3	1200	14621	Sat	Russian intel.	MFSK-16	(AB)
XPB1	1-3	1210	13921	Sat	Russian intel.	MFSK-16	(AB)
XPB1	1-3	1220	13421	Sat	Russian intel.	MFSK-16	(AB)
XPB1	1-3	1230	12121	Sat	Russian intel.	MFSK-16	(AB)
XPB1	1-3	1240	11121	Sat	Russian intel.	MFSK-16	(AB)
XPB1	1-3	1250	10421	Sat	Russian intel.	MFSK-16	(AB)
XPB1	3-3	0600	18434	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	3-3	0610	18234	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	3-3	0620	17434	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	3-3	0630	16234	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	3-3	0640	15834	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	3-3	0650	14434	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	4-3	0600	18434	Tue	Russian intel.	MFSK-16	(AB)
XPB1	4-3	0610	18234	Tue	Russian intel.	MFSK-16	(AB)
XPB1	4-3	0620	17434	Tue	Russian intel.	MFSK-16	(AB)

XPB1	4-3	0630	16234	Tue	Russian intel.	MFSK-16	(AB)
XPB1	4-3	0640	15834	Tue	Russian intel.	MFSK-16	(AB)
XPB1	4-3	0650	14434	Tue	Russian intel.	MFSK-16	(AB)
XPB1	4-3	1300	20072	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	4-3	1310	19572	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	4-3	1320	18372	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	4-3	1330	17472	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	4-3	1340	16272	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	4-3	1350	14972	Tue	Russian intel.	MFSK-16	(AB/HFD)
XPB1	5-3	1200	14621	Wed	Russian intel.	MFSK-16	(AB/HFD)
XPB1	5-3	1210	13921	Wed	Russian intel.	MFSK-16	(AB/HFD)
XPB1	5-3	1220	13421	Wed	Russian intel.	MFSK-16	(AB/HFD)
XPB1	5-3	1230	12121	Wed	Russian intel.	MFSK-16	(AB/HFD)
XPB1	5-3	1240	11121	Wed	Russian intel.	MFSK-16	(AB/HFD)
XPB1	5-3	1250	10421	Wed	Russian intel.	MFSK-16	(AB/HFD)
XPB1	7-3	1300	20072	Fri	Russian intel.	MFSK-16	(AB)
XPB1	7-3	1310	19572	Fri	Russian intel.	MFSK-16	(AB)
XPB1	7-3	1320	18372	Fri	Russian intel.	MFSK-16	(AB)
XPB1	7-3	1330	17472	Fri	Russian intel.	MFSK-16	(AB)
XPB1	7-3	1340	16272	Fri	Russian intel.	MFSK-16	(AB)
XPB1	7-3	1350	14972	Fri	Russian intel.	MFSK-16	(AB)
XPB1	8-3	1200	14621	Sat	Russian intel.	MFSK-16	(AB)
XPB1	8-3	1210	13921	Sat	Russian intel.	MFSK-16	(AB)
XPB1	8-3	1220	13421	Sat	Russian intel.	MFSK-16	(AB)
XPB1	8-3	1230	12121	Sat	Russian intel.	MFSK-16	(AB)
XPB1	8-3	1240	11121	Sat	Russian intel.	MFSK-16	(AB)
XPB1	8-3	1250	10421	Sat	Russian intel.	MFSK-16	(AB)
XPB1	10-3	0600	18434	Mon	Russian intel.	MFSK-16	(AB)
XPB1	10-3	0610	18234	Mon	Russian intel.	MFSK-16	(AB)
XPB1	10-3	0620	17434	Mon	Russian intel.	MFSK-16	(AB)
XPB1	10-3	0630	16234	Mon	Russian intel.	MFSK-16	(AB)
XPB1	10-3	0640	15834	Mon	Russian intel.	MFSK-16	(AB)
XPB1	10-3	0650	14434	Mon	Russian intel.	MFSK-16	(AB)
XPB1	11-3	0600	18434	Tue	Russian intel.	MFSK-16	(AB)
XPB1	11-3	0610	18234	Tue	Russian intel.	MFSK-16	(AB)
XPB1	11-3	0620	17434	Tue	Russian intel.	MFSK-16	(AB)
XPB1	11-3	0630	16234	Tue	Russian intel.	MFSK-16	(AB)
XPB1	11-3	0640	15834	Tue	Russian intel.	MFSK-16	(AB)
XPB1	11-3	0650	14434	Tue	Russian intel.	MFSK-16	(AB)
XPB1	11-3	1300	20072	Tue	Russian intel.	MFSK-16	(AB)
XPB1	11-3	1310	19572	Tue	Russian intel.	MFSK-16	(AB/RL)

XPB1	11-3	1320	18372	Tue	Russian intel.	MFSK-16	(AB)
XPB1	11-3	1330	17472	Tue	Russian intel.	MFSK-16	(AB)
XPB1	11-3	1340	16272	Tue	Russian intel.	MFSK-16	(AB)
XPB1	11-3	1350	14972	Tue	Russian intel.	MFSK-16	(AB)
XPB1	12-3	1200	14621	Wed	Russian intel.	MFSK-16	(AB)
XPB1	12-3	1210	13921	Wed	Russian intel.	MFSK-16	(AB)
XPB1	12-3	1220	13421	Wed	Russian intel.	MFSK-16	(AB)
XPB1	12-3	1230	12121	Wed	Russian intel.	MFSK-16	(AB)
XPB1	12-3	1240	11121	Wed	Russian intel.	MFSK-16	(AB)
XPB1	12-3	1250	10421	Wed	Russian intel.	MFSK-16	(AB)
XPB1	14-3	1300	20072	Fri	Russian intel.	MFSK-16	(AB)
XPB1	14-3	1310	19572	Fri	Russian intel.	MFSK-16	(AB)
XPB1	14-3	1320	18372	Fri	Russian intel.	MFSK-16	(AB)
XPB1	14-3	1330	17472	Fri	Russian intel.	MFSK-16	(AB)
XPB1	14-3	1340	16272	Fri	Russian intel.	MFSK-16	(AB)
XPB1	14-3	1350	14972	Fri	Russian intel.	MFSK-16	(AB)
XPB1	15-3	1200	14621	Sat	Russian intel.	MFSK-16	(AB)
XPB1	15-3	1210	13921	Sat	Russian intel.	MFSK-16	(AB)
XPB1	15-3	1220	13421	Sat	Russian intel.	MFSK-16	(AB)
XPB1	15-3	1230	12121	Sat	Russian intel.	MFSK-16	(AB)
XPB1	15-3	1240	11121	Sat	Russian intel.	MFSK-16	(AB)
XPB1	15-3	1250	10421	Sat	Russian intel.	MFSK-16	(AB)
XPB1	17-3	0600	18434	Mon	Russian intel.	MFSK-16	(AB)
XPB1	17-3	0610	18234	Mon	Russian intel.	MFSK-16	(AB)
XPB1	17-3	0620	17434	Mon	Russian intel.	MFSK-16	(AB)
XPB1	17-3	0630	16234	Mon	Russian intel.	MFSK-16	(AB)
XPB1	17-3	0640	15834	Mon	Russian intel.	MFSK-16	(AB)
XPB1	17-3	0650	14434	Mon	Russian intel.	MFSK-16	(AB)
XPB1	18-3	0600	18434	Tue	Russian intel.	MFSK-16	(AB)
XPB1	18-3	0610	18234	Tue	Russian intel.	MFSK-16	(AB)
XPB1	18-3	0620	17434	Tue	Russian intel.	MFSK-16	(AB)
XPB1	18-3	0630	16234	Tue	Russian intel.	MFSK-16	(AB)
XPB1	18-3	0640	15834	Tue	Russian intel.	MFSK-16	(AB)
XPB1	18-3	0650	14434	Tue	Russian intel.	MFSK-16	(AB)
XPB1	18-3	1300	20072	Tue	Russian intel.	MFSK-16	(AB)
XPB1	18-3	1310	19572	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	18-3	1320	18372	Tue	Russian intel.	MFSK-16	(AB)
XPB1	18-3	1330	17472	Tue	Russian intel.	MFSK-16	(AB)
XPB1	18-3	1340	16272	Tue	Russian intel.	MFSK-16	(AB)
XPB1	18-3	1350	14972	Tue	Russian intel.	MFSK-16	(AB)
XPB1	19-3	1200	14621	Wed	Russian intel.	MFSK-16	(AB)

XPB1	19-3	1210	13921	Wed	Russian intel.	MFSK-16	(AB)
XPB1	19-3	1220	13421	Wed	Russian intel.	MFSK-16	(AB)
XPB1	19-3	1230	12121	Wed	Russian intel.	MFSK-16	(AB)
XPB1	19-3	1240	11121	Wed	Russian intel.	MFSK-16	(AB)
XPB1	19-3	1250	10421	Wed	Russian intel.	MFSK-16	(AB)
XPB1	21-3	1300	20072	Fri	Russian intel.	MFSK-16	(AB)
XPB1	21-3	1310	19572	Fri	Russian intel.	MFSK-16	(AB)
XPB1	21-3	1320	18372	Fri	Russian intel.	MFSK-16	(AB)
XPB1	21-3	1330	17472	Fri	Russian intel.	MFSK-16	(AB)
XPB1	21-3	1340	16272	Fri	Russian intel.	MFSK-16	(AB)
XPB1	21-3	1350	14972	Fri	Russian intel.	MFSK-16	(AB)
XPB1	22-3	1200	14621	Sat	Russian intel.	MFSK-16	(AB)
XPB1	22-3	1210	13921	Sat	Russian intel.	MFSK-16	(AB)
XPB1	22-3	1220	13421	Sat	Russian intel.	MFSK-16	(AB)
XPB1	22-3	1230	12121	Sat	Russian intel.	MFSK-16	(AB)
XPB1	22-3	1240	11121	Sat	Russian intel.	MFSK-16	(AB)
XPB1	22-3	1250	10421	Sat	Russian intel.	MFSK-16	(AB)
XPB1	24-3	0600	18434	Mon	Russian intel.	MFSK-16	(AB)
XPB1	24-3	0610	18234	Mon	Russian intel.	MFSK-16	(AB)
XPB1	24-3	0620	17434	Mon	Russian intel.	MFSK-16	(AB)
XPB1	24-3	0630	16234	Mon	Russian intel.	MFSK-16	(AB)
XPB1	24-3	0640	15834	Mon	Russian intel.	MFSK-16	(AB)
XPB1	24-3	0650	14434	Mon	Russian intel.	MFSK-16	(AB)
XPB1	25-3	0600	18434	Tue	Russian intel.	MFSK-16	(AB)
XPB1	25-3	0610	18234	Tue	Russian intel.	MFSK-16	(AB)
XPB1	25-3	0620	17434	Tue	Russian intel.	MFSK-16	(AB)
XPB1	25-3	0630	16234	Tue	Russian intel.	MFSK-16	(AB)
XPB1	25-3	0640	15834	Tue	Russian intel.	MFSK-16	(AB)
XPB1	25-3	0650	14434	Tue	Russian intel.	MFSK-16	(AB)
XPB1	25-3	1300	20072	Tue	Russian intel.	MFSK-16	(AB)
XPB1	25-3	1310	19572	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	25-3	1320	18372	Tue	Russian intel.	MFSK-16	(AB)
XPB1	25-3	1330	17472	Tue	Russian intel.	MFSK-16	(AB)
XPB1	25-3	1340	16272	Tue	Russian intel.	MFSK-16	(AB)
XPB1	25-3	1350	14972	Tue	Russian intel.	MFSK-16	(AB)
XPB1	26-3	1200	14621	Wed	Russian intel.	MFSK-16	(AB)
XPB1	26-3	1210	13921	Wed	Russian intel.	MFSK-16	(AB)
XPB1	26-3	1220	13421	Wed	Russian intel.	MFSK-16	(AB)
XPB1	26-3	1230	12121	Wed	Russian intel.	MFSK-16	(AB)
XPB1	26-3	1240	11121	Wed	Russian intel.	MFSK-16	(AB)
XPB1	26-3	1250	10421	Wed	Russian intel.	MFSK-16	(AB)

XPB1	28-3	1300	20072	Fri	Russian intel.	MFSK-16	(AB)
XPB1	28-3	1310	19572	Fri	Russian intel.	MFSK-16	(AB)
XPB1	28-3	1320	18372	Fri	Russian intel.	MFSK-16	(AB)
XPB1	28-3	1330	17472	Fri	Russian intel.	MFSK-16	(AB)
XPB1	28-3	1340	16272	Fri	Russian intel.	MFSK-16	(AB)
XPB1	28-3	1350	14972	Fri	Russian intel.	MFSK-16	(AB)
XPB1	29-3	1200	14621	Sat	Russian intel.	MFSK-16	(AB)
XPB1	29-3	1210	13921	Sat	Russian intel.	MFSK-16	(AB)
XPB1	29-3	1220	13421	Sat	Russian intel.	MFSK-16	(AB)
XPB1	29-3	1230	12121	Sat	Russian intel.	MFSK-16	(AB)
XPB1	29-3	1240	11121	Sat	Russian intel.	MFSK-16	(AB)
XPB1	29-3	1250	10421	Sat	Russian intel.	MFSK-16	(AB)
XPB1	31-3	0600	18434	Mon	Russian intel.	MFSK-16	(AB)
XPB1	31-3	0610	18234	Mon	Russian intel.	MFSK-16	(AB)
XPB1	31-3	0620	17434	Mon	Russian intel.	MFSK-16	(AB)
XPB1	31-3	0630	16234	Mon	Russian intel.	MFSK-16	(AB)
XPB1	31-3	0640	15834	Mon	Russian intel.	MFSK-16	(AB)
XPB1	31-3	0650	14434	Mon	Russian intel.	MFSK-16	(AB)
XSL	29-3	1721	4153	Sat	Japanese Navy. Telemetry (a.k.a. Slotmachine)	QPSK 1500Bd	(AB-J)
XSL	29-3	1721	4231.5	Sat	Japanese Navy. Telemetry (a.k.a. Slotmachine)	QPSK 1500Bd	(AB-J)
XSL	29-3	1721	4291	Sat	Japanese Navy. Telemetry (a.k.a. Slotmachine)	QPSK 1500Bd	(AB-J)
XSL	29-3	1721	6250	Sat	Japanese Navy. Telemetry (a.k.a. Slotmachine)	QPSK 1500Bd	(AB-J)
XSL	29-3	1721	6417	Sat	Japanese Navy. Telemetry (a.k.a. Slotmachine)	QPSK 1500Bd	(AB-J)
XSL	29-3	1721	6445	Sat	Japanese Navy. Telemetry (a.k.a. Slotmachine)	QPSK 1500Bd	(AB-J)
XSL	29-3	1721	8313	Sat	Japanese Navy. Telemetry (a.k.a. Slotmachine)	QPSK 1500Bd	(AB-J)
XSL	29-3	1721	8588	Sat	Japanese Navy. Telemetry (a.k.a. Slotmachine)	QPSK 1500Bd	(AB-J)
XSL	29-3	1721	8703.5	Sat	Japanese Navy. Telemetry (a.k.a. Slotmachine)	QPSK 1500Bd	(AB-J)

CONTRIBUTORS

AB	Ary Boender, Netherlands
AB-FIN	Ary Boender via remote rx Finland
AB-GRC	Ary Boender via remote rx Greece
AB-HNG	Ary Boender via remote rx Hungary
AB-J	Ary Boender via remote rx Japan
AB-KWT	Ary Boender via remote rx Kuwait
AB-POL	Ary Boender via remote rx Poland
AB-USA	Ary Boender via remote rx USA
Anon	Anonymous
AVX	AlphaVax, Germany
Dan	Daniel LU5EMM, Argentina
EW	Eddy Waters, Australia
F1GOC	Michel Soldevila, France
FD	Full Day Waterfall, University Twente SDR
Fspy	Feline Spy SWL
HFD	Hans-Friedrich Dumrese, Germany
HFD-J	Hans-Friedrich Dumrese via remote rx Japan
HFD-USA	Hans-Friedrich Dumrese via remote rx USA
HK	Hiroyuki Komatsubara, Japan
JPL-RUS	JPL via remote rx Russia
JPL-TWN	JPL via remote rx Taiwan
Kalv	Kalvados
Karman	Karman via Priyom
Lac	Lazycrypt
Moon	Moonlight (Dave AU)
NOSYA	NOYA
Pille	Pille
Priyom	Priyom team
PY	Pierre Ynard, France and via remote rx
RL	Roberto Landolpho, Brazil
RO	Rando One, Sweden
Rycat	Rycat
SJH	Steve Handler
T101	RadiotehnikaT101 via Priyom
TM	Time Machine
VSh	V. Shortwaver
ZC	Zai Can, China

APPENDIX

List of active stations

Prefixes

E	English language	Q	4+4 QPSK mode
F	FSK (Frequency Shift Keying) modes	S	Slavic languages
G	German language	SK	Various modes used by Cuba, incl. (B)PSK, WinDRM
HM	Hybrid modes	UM(C)	Unid Morse station (Chinese)
M(C)	Morse code (Chinese)	V	Voice broadcasts in other languages
P	PSK modes. QPSK (Quadrature Phase Shift Keying) and BPSK (Binary Phase-Shift keying) modes	VC	Voice Chinese
		XP	MFSK (polytone) modes

Notes :

There is no solid proof that the mentioned operators are correct.

Russian G06 and V06 are not in the list but are occasionally used for exercises

Code	Description	Country	Counterpart	Operator
E06	3-fig id, OM/EE 00000	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
E06a	3-fig id, 2 group commencing with 11111	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
E06b	3-fig id with 5FG group in call, 2 msgs	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
E07	3-fig id, OM/EE 000 000	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
E07a	Null msg format. Nnn nnn nnn 000 repeated 20 mins later	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
E11	nnn Oblique 00 Out	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
E11a	E11 with message	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
E25	Arabic music, 3FGs call, 4FGs, 9450 kHz	EGY	E25, E25a, E25b	GID
E25a	E25 but 3FG 3FG 2FG 2FG 2FG 2FG call	EGY	E25, E25a, E25b	GID
E25b	Arab message; callup in English	EGY	E25, E25a, E25b	GID
F01	FSK/ITA2 200Bd/500Hz	RUS	E06, S06, M14, F01, F06, F06a	Russian Diplo/Intel.
F02	MFSK-4 150Bd/4000Hz (12kHz BW)	RUS		Unid Russian net.
F03f	FSK-2 400Bd/800Hz	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
F03g	BPSK 50Bd/1000Hz/464 bits	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
F03h	BPSK 100Bd/1000Hz/512 bits	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
F03i	FSK-2 100Bd/800Hz/cf +1200Hz/488-bit period	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
F03j	FSK-4 100Bd/400Hz/cf +1200Hz/448-bit period	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
F03k	FSK-2 400Bd/800Hz/cf +1200Hz/448-bit period	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
F03l	FSK-2 100Bd/200Hz/cf +700Hz/448-bit period	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
F06	FSK 200Bd/1000Hz ACF=288 sending compressed digits	RUS	E06, S06, M14, F01, F06, F06a	Russian Diplo/Intel.
F06a	FSK 200Bd/1000Hz ACF=288 sending uncompressed ASCII files	RUS	E06, S06, M14, F01, F06, F06a	Russian Diplo/Intel.
F07	5x16-tone MFSK, 10Bd, 20Hz + BPSK, 250Bd bursts	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
HM01	Consists of alternating WinDRM data & V02a repeating sequences.	CUB		DGI
M01	2 tone hand-keyed, ends '000'	RUS		Russian Navy
M01a	End of the month transmission	RUS		Russian Navy
M12	5FG, 3 or 4FG DK. Ends with 000 000	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
M12a	3FG DK. 2 Messages. Ends with 000 000	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
M14	Ends 00000 or 5 long dashes	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
M14a	Dual msg variant	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
M14b	Rare, added 2nd msg hand keyed	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
M14c	Rare, dual msg, consecutive id's	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
M14d	3FG id with 5FG group in call	RUS	E06, S06, M14, F01, F06, F06a	
M21	14 fig msgs. Markers and tracking data	RUS	M21, M41	Russian Air Defense
M22	4XZ	ISR		Israeli Navy
M23	Letters and/or figures strings in various formats	F		
M41	M21 variant using callsigns and WZD and ABV	RUS	M21, M41	Russian Air Defense
M42	Various modes	RUS		Russian Gov/Intel.
M42b	FSK 50/500 (=50= separator)	RUS		Russian Gov/Intel.
M51a	FAV22 transmissions	F		French army
M51b	Non-stop 5-character groups	F		French army

M76	ABCD de EFGH QTC xx xx = 5FG 3607X RRRRR 201XX NNN			
M89	Markers like V YHxD YHxD DE SAQC SAQC and 4FG messages. Cut numbers	CHN		Chinese military
M89v	M89 voice transmissions	CHN		Chinese military
M95	Markers and 4FG messages. Cut numbers. Morse counterpart of V26 and Q26	CHN	M95, Q26, V26	Chinese military
MC03	Tracking data. Various formats	CHN	VC01	Chinese Air Defense
MVC03	Morse counterpart of VC03	CHN	VC03	Chinese Air Defense
MX	Single letter beacons/markers	RUS		Russian military
P03e	QPSK 100Bd/488-bit period	POL	E11, E11a, S11a, F03, P03	
P03f	QPSK 200Bd/496-bit period	POL	E11, E11a, S11a, F03, P03	
P03g	BPSK 50Bd/464-bit period	POL	E11, E11a, S11a, F03, P03	
P03h	BPSK 100Bd/512-bit period	POL	E11, E11a, S11a, F03, P03	
P03i	BPSK 100Bd/512-bit period	POL	E11, E11a, S11a, F03, P03	
P03j	QPSK 100Bd/504-bit period	POL	E11, E11a, S11a, F03, P03	
P03k	BPSK 100Bd/480-bit period	POL	E11, E11a, S11a, F03, P03	
P03l	QPSK 100Bd/464-bit period	POL	E11, E11a, S11a, F03, P03	
P07	Russian intel. 8-tone OFDM, QSPK, 62.5Bd, 125Hz + BPSK, 250Bd bursts	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
Q26	Digital counterpart of V26 and M95. Mode: 4+4 QPSK 75/3000 LSB	CHN	M95, Q26, V26	Chinese military
S06	3-fig id, 00000 OM/RR	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
S06b	3-fig id, two group (commencing with 11111, stutter)	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
S06c	Repeating single group	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
S06e	3-fig id, two messages	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
S06f	3 group msg, ends 00000	RUS	E06, S06, M14, F01, F06, F06a	Russian intelligence
S06s	YL + slow zero's ending	UKR	E06, S06, M14, F01, F06, F06a	SZRU
S11a	nnn Cherta 00 or group count + message. Konets	POL	E11, E11a, S11a, F03, P03	Agencja Wywiadu
S28	Buzzer	RUS		Russian military
S30	Pip	RUS		Russian military
S32	Squeaky Wheel	RUS		Russian military
UM03	X2M (probably Chinese). Mode: CW			
UM04	PROMRCh. Daily transmissions. Format: VVVVV PROMRCh = 27 09 = 1000 0600 0640 0780 1160 ... ABV repeat message = AR. Origin: Bulgaria	BUL		Bulgarian military
UM05	French morse training station	F		
UM06	Various formats morse strings	F		
UM10	10-minutes net. Callsigns sent for 10 minutes 2x per hour on 2 parallel frequencies. Seldom messages are sent.			
V07	Spanish Man 000 000	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
V07F	French version of E07	RUS	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1	Russian intelligence
V13	New Star Broadcasting	TWN	V13, V13a, V13b	Military Intelligence
V13a	New Star Broadcasting (AM, 5-7 msgs to 5-7 units)	TWN	V13, V13a, V13b	Military Intelligence
V13b	New Star Broadcasting (AM/USB hybrid, intro 2x, 4 msgs to 4 units)	TWN	V13, V13a, V13b	Military Intelligence
V26	Voice counterpart of M95 and Q26	CHN	M95, Q26, V26	Chinese military
VC01	Chinese Robot (tracking data)	CHN	MC03	Chinese Air Defense
VC02	Chinese voice morse stations	CHN		Chinese Air Defense
VC03	3FG callup and 4FG messages			
VC05	Chinese time stamp station. Operator calling a 4-figure callsign for four minutes. At the end the actual Beijing time is mentioned.	CHN		
VR01	Russian station passing coded messages. Active sinds at least March 2014. Seldom heard	RUS		
X06	MFA Moscow. Selcal system for diplomatic missions	RUS		Various
XPA1	MFSK-20/10Bd transmissions	RUS		Russian intelligence
XPA2	MFSK-16/20Bd transmissions	RUS		Russian intelligence
XPB1	MFSK-16 transmissions	RUS		Russian intel
XSL	QPSK 1500Bd. Slot Machine (Japanese Navy Telemetry)	J		Japanese navy

Morse characters

A	.	-	1	.	- - - -	Full stop (period)	[.]	. - . - . -
B	-	.	2	.	- - -	Comma	[,]	- - . - - -

C	...	3	...	Colon	[:]	---
D	...	4	....	Question mark	[?]	..--
E	.	5	.....	Exclamation mark	[!]	-.--
F	...	6	.....	Apostrophe	[']	..---
G	..	7	----	Dash or Hyphen	[-]-
H	....	8	----	Slash	[/]	..-.
I	..	9	----	Left-hand bracket	[(]	-.--
J	..---	0	----	Right-hand bracket	[)]	-.--.
K	..-			Quotation marks	[" "]	..---
L	....			Equals sign	[BT =]-
M	--			Understood		...-
N	..	Ä	..-	Plus sign	[+]	..-.
O	---	Á	....-	Invitation to transmit		..-
P	....	CH	----	Wait	[AS ]	.....
Q	----	É	.....	End of Transmission	[SK, VA]	...--
R	..-	Ö	----	End of message	[AR]	..-.
S	...	Ü	....	Starting signal		..-.
T	-			Multiplication sign	[×]	...-
U	..-			At sign	[@]	..-.-
V	...-			Break	[BK]--
W	..-			Ampersand	[ & ]	.....
X	....				
Y	..-					
Z	----					

For Cyrillic morse etc., see also
<http://udxf.nl/Morse-document.pdf>
<http://udxf.nl/Russian.pdf>

Chinese cut numbers
(M89, M95, MC03, etc)

A	U	3	4	5	6	7	D	N	T
1	2	3	4	5	6	7	8	9	0

M08a cut numbers

A	N	D	U	W	R	I	G	M	T
1	2	3	4	5	6	7	8	9	0

Q26 conversion

F	J	B	P	G	U	Y	M	C	W
0	1	2	3	4	5	6	7	8	9

3rd shift Cyrillic RTTY as used by M42b

Q	W	E	R	T	Y	U	I	O	P	(	K	V	Z
1	2	3	4	5	6	7	8	9	0	K	=	-	+

Word	E11a	S11a	M03
Attention	Attention	Vnimanye	
Slash /	Oblique	Cirta	---
Out	Out	Konets	

Figure	English	French	German	Mandarin	Spanish	Russian	Arabic
0	Zero	Zero	Null	Ling	Cero	Null	Sifr
1	One	Un	Eins	Yi	Uno	Odín	Wahid
2	Two	Deux	Zwei	Er	Dos	Dva	Itnien
3	Three	Trois	Drei	San	Tres	Tri	Talata
4	Four	Quatre	Vier	Si	Cuatro	Chety're	Arba`a
5	Five	Cinq	Fünf	Wu	Cinco	Pyat'	Xamsa
6	Six	Six	Sechs	Liu	Seis	Shest'	Sitta
7	Seven	Sept	Sieben	Qi	Siete	Sem'	Sab`a
8	Eight	Huit	Acht	Ba	Ocho	Vósem'	Tamanya
9	Nine	Neuf	Neun	Jiu	Nueve	Dévyat'	Tiss`a

Figure	Morse	Vietnamese	E17z	S11a	G06	E11
0	----	Số không	Zero	nul	Null	Zero
1	.----	Một	Van	adinka	Eins	One

2	.. — — —	Hai	To	dvoyka	Twso	Two
3	... — —	Ba	Fwee	troyka	Drei	Three
4	.... —	Bô'n	Fo	chetvyorka	Vier	Four
5	.....	Nâm	Fav	petyorka	Funuf	Fiver
6	—	Sáu	Six	shest	Sechs	Six
7	— — ...	Ba | y	Seven	syem	Sieben	Seven
8	— — — ..	Tám	Eight	vosyem	Acht	Eight
9	— — — — .	Chín	Nine	dyevyet	Neugen	Niner
=	— . . . —					
/	—					

Note: E17z, M03 and M08a are defunct.

COLOPHON

"Numbers & Oddities" a.k.a. the "Spooks Newsletter" is a newsletter for the members of the Utility DXers Forum (UDXF), the Spooks mailing list, HF Underground and everyone else who is interested in Numbers Stations.

All information in this newsletter was submitted by independent radio monitors or has been obtained from public available sources and public sites on the web. Wherever data was obtained via the web or elsewhere, references and/or links to these sources have been noted.

Google Earth images: Copyright © Google

Portions of this newsletter may be used in electronic or printed hobby bulletins without prior approval so long as "Numbers & Oddities" is credited as the source. This newsletter may NOT be utilized, partly or wholly, in any other COMMERCIAL media format without the written permission of the Editor. Any breach of this may result in action under international copyright legislation.

Relevant mailing lists and websites:

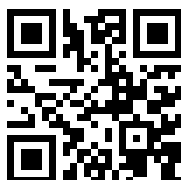
NUMBERS & ODDITIES	http://www.numbersoddities.nl
SPY NUMBERS ONLINE DATABASE	http://www.spynumbers.com/numbersDB
UDXF - UTILITY DXERS FORUM	http://www.udxf.nl
HF UNDERGROUND	http://www.hfunderground.com/board/
PRIYOM	http://priyom.org/
ENIGMA	http://www.signalshed.com/
NUMBERS STATIONS SCHEDULES	http://priyom.org/number-stations/station-schedule

To become an UDXF member go to <https://groups.io/g/UDXF> and follow the instructions.

To become a Spooks member go to <http://mailman.gth.net/mailman/listinfo/spooks> fill in the form and follow the instructions that will be mailed to you.

676 27364 92636 89428 61288 14982 36498 32764 81276 61
886 48932 70987 32123 49817 26386 81287 65491 87364 81
721 75654 55656 12737 72727 72727 91918 63473 67867 76
923 87629 37677 32612 53498 71296 28756 18276 98716 87
7269 87364 74698 76857 98670 27681 56701 57601 73648 1
591 87364 87265 96710 27630 12673 84769 28743 98127 5
8 63298 75698 27465 87326 49876 28376 81273 98615 6
67 87432 74328 78674 29867 32867 67867 86786 43286 8
57 68768 68763 34234 34238 68768 62342 48273 48768 2
936 98432 32432 86743 43286 43286 43286 43286 43286 4
743 86743 86743 39867 32867 86743 43286 43286 43243 8
741 86743 86743 86743 86743 86743 86743 86743 86743 4
943 98798 98754 98754 98754 98754 29867 67543 67986 6
976 87698 69876 87698 69876 87612 12341 34867 86798 6
867 43298 65656 56756 56123 32143 14321 32143 14321 3
6767 58767 76587 58765 76587 58765 76587 58756 765
6767 96587 96587 96587 96587 96587 96587 96587 96587

N&O



UDXF

